

## **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.





United States  
Department of  
Agriculture

Soil  
Conservation  
Service

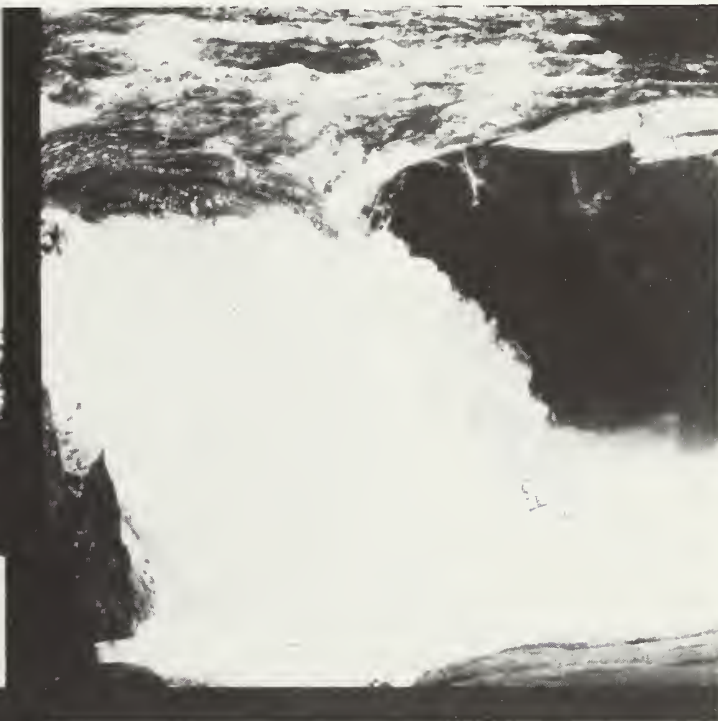
Boise,  
Idaho



*a T0224  
, I2I33  
(cor 2)*

# Idaho Water Supply Outlook

April 1, 1988



# Foreword

## How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are terms reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

## For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

| STATE      | ADDRESS   |
|------------|---|
| Alaska     | 201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687                  |
| Arizona    | 201 East Indianola, Suite 200, Phoenix, AZ 85012                        |
| Colorado   | 2490 West 26th Ave., Denver, CO 80211                                   |
| New Mexico | 517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157               |
| Idaho      | 304 North 8th Street, Room 345, Boise, ID 83702                         |
| Montana    | 10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715          |
| Nevada     | 1201 Terminal Way, Room 219, Reno, NV 89502                             |
| Oregon     | 1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204                  |
| Utah       | 4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147 |
| Washington | 360 U.S. Court House, Spokane, WA 99201-1080                            |
| Wyoming    | Federal Building, 100 East "B" Street, Casper, WY 82601                 |

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

# Idaho Water Supply Outlook

and

## Federal — State — Private Cooperative Snow Surveys

### **Issued by**

Wilson Scaling  
Chief  
Soil Conservation Service  
Washington, D.C.

### **Released by**

Rodney M. Alt  
Acting State Conservationist  
Boise, Idaho

### **Prepared by**

Gerald A. Beard  
Data Collection Office Supervisor  
Soil Conservation Service  
Rm. 345, 304 N. 8th Street  
Boise, Idaho 83702

### **In cooperation with**

R. Keith Higginson  
Director  
State of Idaho  
Department of Water Resources  
Boise, Idaho



# TABLE OF CONTENTS

## STATE STREAMFLOW PROSPECTS MAP


|   |    |
|---|----|
| STATE GENERAL OUTLOOK.....  | 1  |
| BASIN OUTLOOK AND CONDITIONS  |    |
| UPPER COLUMBIA BASIN.....   | 4  |
| CLEARWATER AND<br>SALMON RIVER BASIN .....                                | 6  |
| WEISER, PAYETTE, AND<br>BOISE RIVER BASIN .....                           | 8  |
| BIG WOOD, LITTLE WOOD, BIG LOST,<br>AND LITTLE LOST RIVER BASIN ....      | 10 |
| WILLOW CREEK, BLACKFOOT,<br>UPPER SNAKE, AND PORTNEUF<br>RIVER BASIN..... | 12 |
| SOUTHSIDE SNAKE RIVER BASIN.....  | 14 |
| GREAT BASIN .....   | 16 |
| SNOW DATA MEASUREMENTS .....  | 18 |


# STREAMFLOW PROSPECTS IDAHO

0 25 50 75 100 MI


0 50 100 150 KM


## LEGEND

 Much Above Average  
more than 130 percent

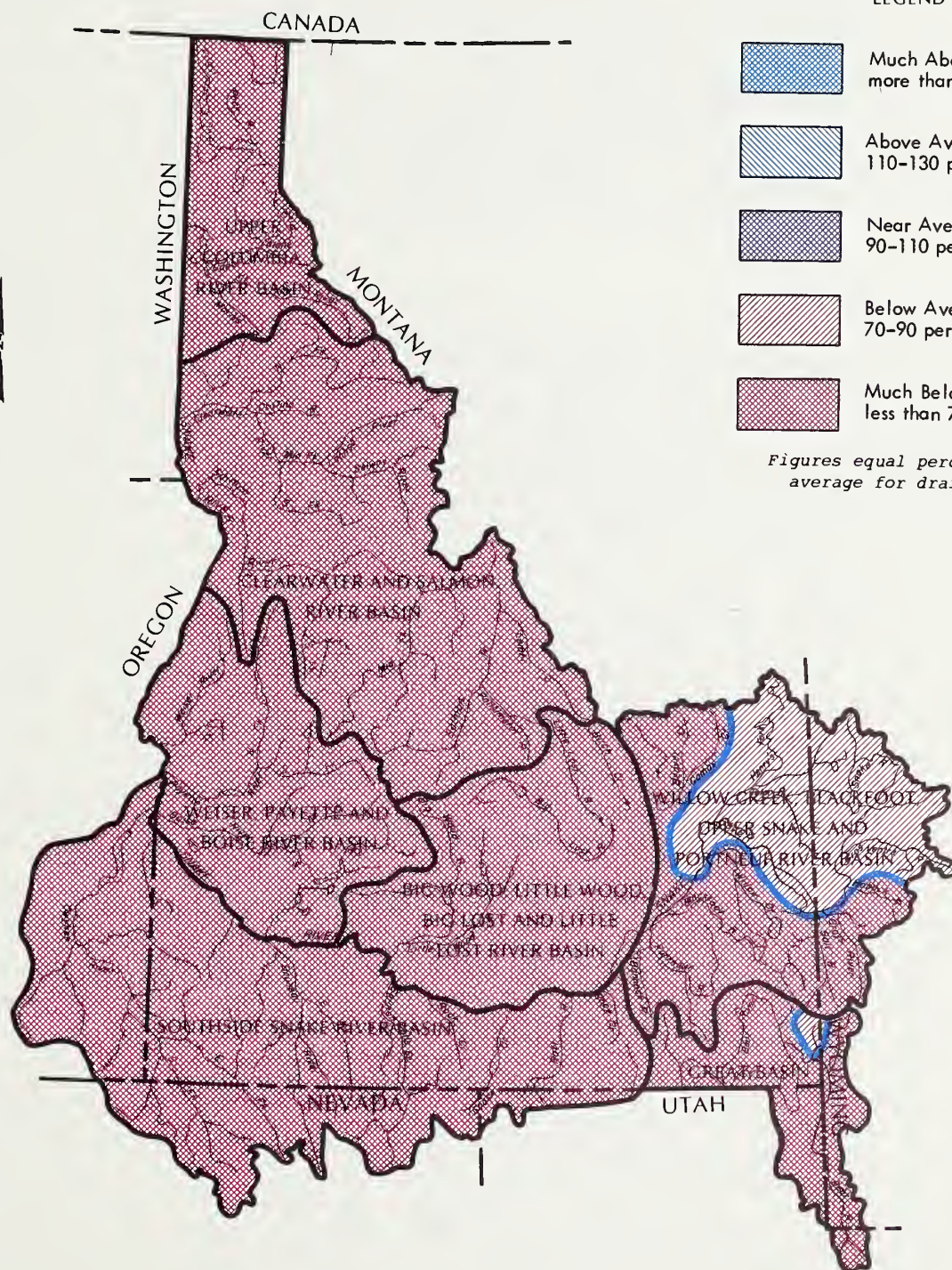
 Above Average  
110-130 percent

 Near Average  
90-110 percent

 Below Average  
70-90 percent

 Much Below Average  
less than 70 percent

*Figures equal percent of  
average for drainage.*







## GENERAL OUTLOOK

### SUMMARY:

MARCH PRECIPITATION BROUGHT GOOD IMPROVEMENTS TO THE ST. JOE, SELWAY, AND LOCHSA RIVER BASINS OF NORTHERN IDAHO, AND TO THE BRUNEAU RIVER BASIN IN SOUTHERN IDAHO. ELSEWHERE, SNOWPACKS HAVE MAINTAINED OR DECREASED IN TERMS OF PERCENT OF NORMAL FROM A MONTH AGO. MARCH WAS THE FIRST MONTH IN ALMOST A YEAR TO BRING NEAR TO ABOVE NORMAL PRECIPITATION TO IDAHO. RESERVOIR CONDITIONS IMPROVED ONLY SLIGHTLY IN MARCH, AND MANY SYSTEMS ACROSS SOUTHERN AND CENTRAL IDAHO ARE NOT EXPECTED TO FILL. STREAMFLOW FORECASTS REMAIN BLEAK ACROSS THE SOUTHERN HALF OF THE STATE.

### SNOWPACK:

Snow surveys taken near April 1 show snowpack conditions have improved significantly for the second consecutive month on the St. Joe, Selway, and Lochsa River basins of northern Idaho. Good improvements in snowpack are also reported in the Jarbidge Mountain range in extreme southcentral Idaho and northern Nevada. Elsewhere, snowpack conditions remain about the same or have decreased in comparison to normal from a month ago. The lower elevation basins of southcentral Idaho report significant decreases in snowpack and now have snowpacks similar to the very low conditions of last year. By regions, the state's snowpack conditions are as follows: northern Idaho snowpacks generally range from 70 to 90% of normal except in the lower elevation areas of the Palouse and Hayden Lake basins, where snowpacks are 35-52% of average. Central and southcentral Idaho snowpacks range from 54 to 68% of average in the higher elevation basins and 36 to 52% in the lower basins. Snowpacks in eastern Idaho range from 72 to 83% in the higher elevations and 58 to 73% in the lower elevations. Extreme southern Idaho snowpacks vary from 71 to 82% of normal except in the Owyhee basin where a 54% of normal snowpack is reported. Great Great Basin snowpacks range from 61 to 71%, except for the Malad River basin which is only 47% of normal. The April 1 snow surveys generally represent the maximum snow accumulation for the season and snowpack conditions are not expected to improve from this point on. Mild temperatures since late February have warmed the snowpack and caused considerable low elevation snowmelt. This melt is about 2 weeks ahead of normal. If mild weather continues, middle and high elevation snowpacks will begin to melt in mid to late April.

## PRECIPITATION:

Near or above normal precipitation was noted over Idaho during March for the first time since last spring. The high pressure ridge, which has been so persistent over the Pacific Northwest, broke down sufficiently during the month to allow a series of Pacific storms to move across the state. Though the state averaged 93% of normal, not all locations received that much, and percentage figures showed a large variation across the state. In general, the northern half of Idaho received near to well above normal precipitation. Some of the higher percentages were Moscow at 187%, Porthill 161%, and Elk River 138%. For the southern half of the state, totals were much lower, but with spotty heavy amounts. Those heavier totals showed up in a band along the Snake River valley from Boise to Twin Falls. Jerome, in March, received 189% of normal precipitation, Mountain Home 143%, and Boise 141%. On the drier side, Idaho Falls reported only 27% of normal and Ketchum and Ashton 37%. Temperatures were on the warm side for the month. Bonners Ferry showed a plus 4.3 degrees from normal and Salmon a plus 4.0 degrees. The southern sections were at or a little above normal, ranging from normal for Twin Falls to a plus 2.1 degrees at Pocatello.

## RESERVOIRS:

Reservoir storage levels improved only slightly during March and remain below to well below normal in most reservoirs throughout the state except in the Upper Snake basin where storage levels are near to slightly above normal. The combined storage in 26 key reservoirs is now 91% of average and 61% of capacity. The lowest storage volumes are found in southcentral Idaho in the Oakley, Magic, and Boise Reservoir systems. Oakley Reservoir reports 49% of average storage and only 21% of capacity; Magic Reservoir shows 34% of average and 21% of capacity; and the combined storage of Anderson Ranch, Lucky Peak, and Lake Lowell in the Boise system is 69% of average and 45% of capacity. Reservoir levels in northern Idaho range from 66% of normal in Pend Oreille Lake to 108% in Priest Lake. With the anticipated low streamflows and the likelihood of early irrigation withdrawals, many reservoir systems across central, southcentral, and southwestern Idaho are not likely to fill this spring.

## STREAMFLOW:

Water supply outlooks for the Idaho Panhandle area show a slight increase over those issued a month ago, but remain below to well below normal. Elsewhere in the state, most forecasts have been decreased 2 to 10% with the largest decreases in the lower elevation basins of southcentral and southwestern Idaho. Apr-July streamflows are now forecasted to be 60-70% of normal in the northern Idaho Panhandle. Central Idaho streams are forecasted to be in the 50-62% of normal range, except on the Weiser, Big Wood, and Little Wood basins where forecasts range from only 39% to 48% of normal. Apr-July streamflows in the higher elevation basins of eastern Idaho are forecast to be in the 70 to 78% of normal range, while the lower elevation basins can expect 60 to 70% of normal flows. Tributaries on the southside of the Snake River are now expected to produce 58 to 62% of normal flows except on the Owyhee drainage which is forecasted at only 36% of normal. Great Basin forecasts range from 48% of normal for the Bear at Harer to 70% for Montpelier Creek near Montpelier. Water is expected to be in short supply in most portions of central, southcentral and southwestern Idaho. Supplies remain adequate to meet most user needs on the Snake main stem, but some shortages may occur on the lower elevation tributaries to the Snake in eastern Idaho. Water users are advised to stay in contact with irrigation districts, reservoir managers, and others who monitor and regulate water supplies for more information about their local situation.

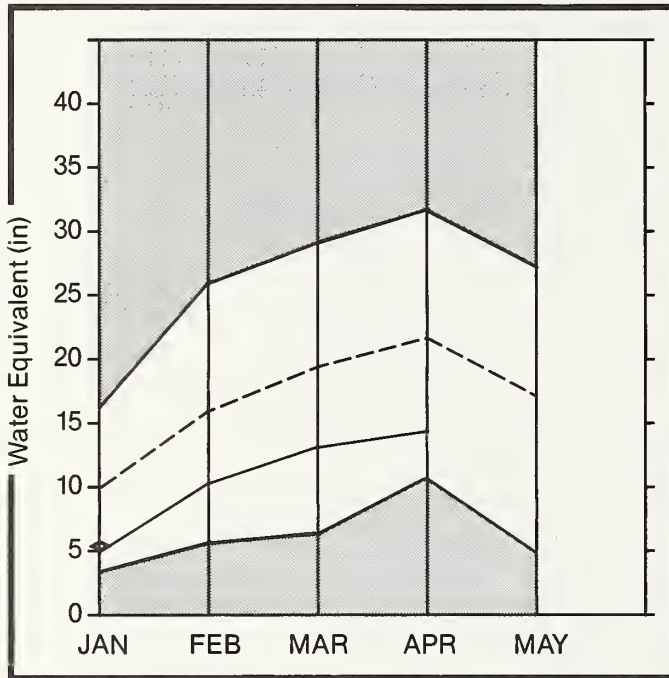
## RECREATIONAL OUTLOOK:

March precipitation helped maintain a positive outlook for both spring and summer whitewater rafting opportunities on most Idaho streams and rivers. Above normal temperatures in April or May could alter prospects for floating on Idaho's desert rivers, however. While total precipitation continues to be below normal statewide, streamflow forecasts continue to look better than they did this time last year. The Lochsa and Selway rivers should have good late May and June floating conditions. Some July launch dates on the Selway could be marginal due to low water. Boating on Idaho's major rivers, the Main Salmon, Hells Canyon of the Snake, and the Middle Fork of the Salmon, will be good throughout the spring/summer recreational season. Launch sites may have to be adjusted on the Middle Fork of the Salmon as the water drops in mid to late summer.



# Upper Columbia Basin

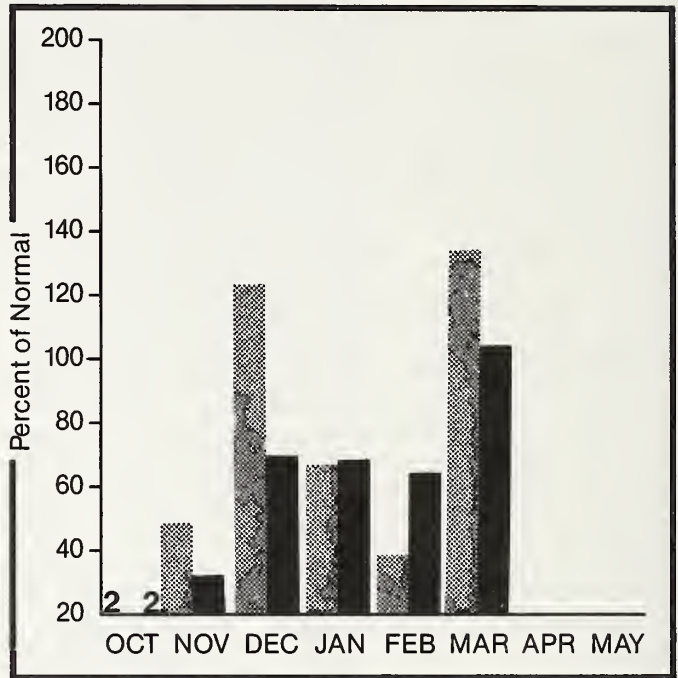
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

April 1 snow measurements show moderate to good improvement in snowpack conditions in the higher elevation areas while lower elevation snowpacks show a net decrease since the March 1 surveys. Basin-wide snowpack conditions in the higher elevation basins currently range from 67% on the Coeur d'Alene to 79% on the St. Joe River, while the lower elevation basins of the Palouse, Hayden Lake, and Rathdrum Creek report 35-52% of normal snowpack. Apr-July streamflow forecasts improved slightly from those issued a month ago, but remain below to well below average. Forecasts now range from 60 to 72% of normal. Reservoir carryover storage varies from 66% of average in Pend Oreille Lake to 108% in Priest Lake.

For more information contact your local Soil Conservation Service office.



# UPPER COLUMBIA RIVER BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT                     | FORECAST PERIOD | 25 YR. AVG. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | REAS. MAX. (1000AF) | REAS. MAX. (% AVG.) | REAS. MIN. (1000AF) | REAS. MIN. (% AVG.) |
|------------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| KOOTENAI at Leonis 2               | APR-SEP         | 8441.0               | 5990.0                 | 71                     | 7590.0              | 90                  | 4390.0              | 52                  |
|                                    | APR-JUL         | 7340.0               | 5210.0                 | 71                     | 6600.0              | 90                  | 3810.0              | 52                  |
|                                    | APR-JUN         | 5899.0               | 4190.0                 | 71                     | 5310.0              | 90                  | 3070.0              | 52                  |
| CLARK FORK at White Horse Rapids 2 | APR-SEP         | 13370.0              | 9610.0                 | 72                     | 12300.0             | 92                  | 6940.0              | 52                  |
|                                    | APR-JUL         | 12150.0              | 8730.0                 | 72                     | 11200.0             | 92                  | 6300.0              | 52                  |
|                                    | APR-JUN         | 10360.0              | 7460.0                 | 72                     | 9530.0              | 92                  | 5390.0              | 52                  |
| PEND OREILLE LAKE inflow 2         | APR-SEP         | 14930.0              | 10500.0                | 70                     | 13500.0             | 90                  | 7510.0              | 50                  |
|                                    | APR-JUL         | 13650.0              | 9610.0                 | 70                     | 12340.0             | 90                  | 6880.0              | 50                  |
|                                    | APR-JUN         | 11780.0              | 8245.0                 | 70                     | 10600.0             | 90                  | 5890.0              | 50                  |
| PRIEST RIVER at Priest 2           | APR-SEP         | 893.0                | 615.0                  | 69                     | 840.0               | 94                  | 390.0               | 44                  |
|                                    | APR-JUL         | 838.0                | 575.0                  | 69                     | 785.0               | 94                  | 365.0               | 44                  |
| SPOKANE at Post Falls 2            | APR-SEP         | 2820.0               | 1800.0                 | 64                     | 2480.0              | 88                  | 1120.0              | 40                  |
|                                    | APR-JUL         | 2723.0               | 1740.0                 | 64                     | 2480.0              | 91                  | 1000.0              | 37                  |
| ST. JOE at Calder                  | APR-SEP         | 1281.0               | 820.0                  | 64                     | 1080.0              | 84                  | 565.0               | 44                  |
|                                    | APR-JUL         | 1211.0               | 785.0                  | 65                     | 1030.0              | 85                  | 545.0               | 45                  |
| COEUR D' ALENE at Enaville         | APR-SEP         | 830.0                | 500.0                  | 60                     | 665.0               | 80                  | 340.0               | 41                  |
|                                    | APR-JUL         | 789.0                | 480.0                  | 61                     | 640.0               | 81                  | 330.0               | 42                  |

| RESERVOIR STORAGE (1000AF) |                  |                                 |           |        | WATERSHED SNOWPACK ANALYSIS |                   |                                    |    |
|----------------------------|------------------|---------------------------------|-----------|--------|-----------------------------|-------------------|------------------------------------|----|
| RESERVOIR                  | USEABLE CAPACITY | ** USEABLE STORAGE ** THIS YEAR | LAST YEAR | AVG.   | WATERSHED                   | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE |    |
| HUNGRY HORSE               | 3451.0           | 843.0                           | 2336.0    | 2098.0 | Kootenai ab Bonners Ferry   | 54                | 96                                 | 74 |
| FLATHEAD LAKE              | 1791.0           | 868.0                           | 641.0     | 753.0  | Pend Oreille River          | 163               | 109                                | 76 |
| PEND OREILLE               | 1155.0           | 536.0                           | 376.0     | 813.7  | Clark Fork River            | 111               | 117                                | 77 |
| NOXON RAPIDS               | 335.0            | 306.3                           | 326.7     | 213.6  | Priest River                | 6                 | 97                                 | 75 |
| COEUR D' ALENE             | 222.8            | 194.2                           | 186.2     | 234.3  | Rathdrum Creek              | 1                 | 93                                 | 71 |
| PRIEST LAKE                | 97.7             | 42.8                            | 57.8      | 39.8   | Havden Lake                 | 4                 | 106                                | 52 |
|                            |                  |                                 |           |        | Coeur d'Alene River         | 10                | 99                                 | 67 |
|                            |                  |                                 |           |        | St. Joe River               | 10                | 110                                | 79 |
|                            |                  |                                 |           |        | Spokane River               | 24                | 106                                | 73 |
|                            |                  |                                 |           |        | Palouse River               | 2                 | 407                                | 35 |

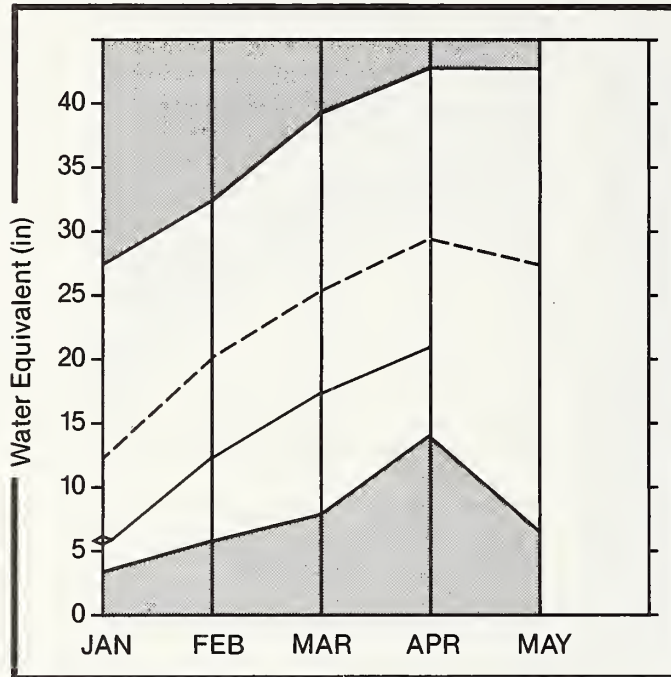
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Clearwater and Salmon River Basin

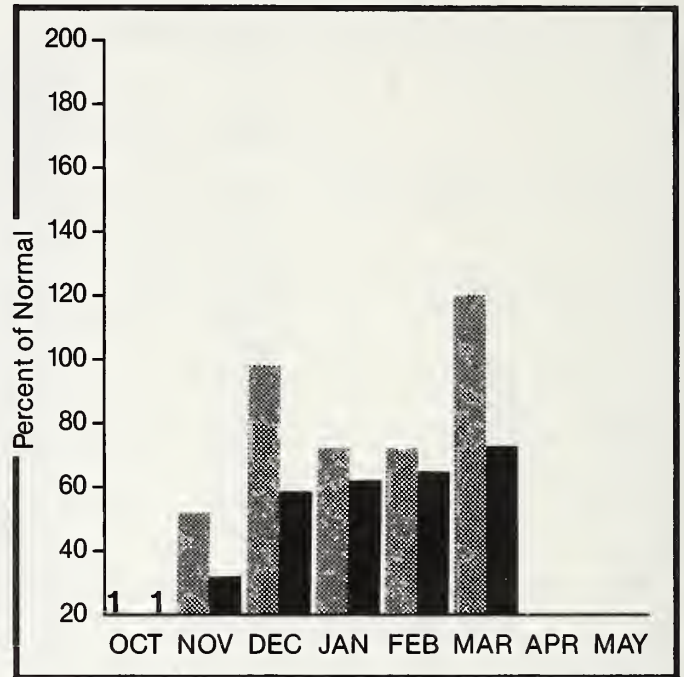
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Above to well above normal precipitation significantly improved snowpack conditions on the Clearwater basin for the second consecutive month. Several snow reporting stations in the headwaters of the Lochsa and Selway drainages are now reporting near normal snow water contents. Snowpacks on the Salmon basin remain about the same as last month except on the Lemhi basin where conditions improved slightly. Currently, basin snowpack conditions range from a low of 67% of average on the Salmon above Salmon to 90% of average on the Selway and Lochsa drainages. Apr-July streamflow projections have been increased on the Clearwater while remaining about the same on the Salmon. Forecasts now range from 55% on the Salmon at Whitebird to 68% on the Clearwater at Spalding. Dworshak Reservoir carryover storage is at 98% of average but only 56% of capacity. Early releases to meet downstream needs will prevent this reservoir from filling to capacity.

# CLEARWATER AND SALMON RIVER BASIN

## STREAMFLOW FORECASTS

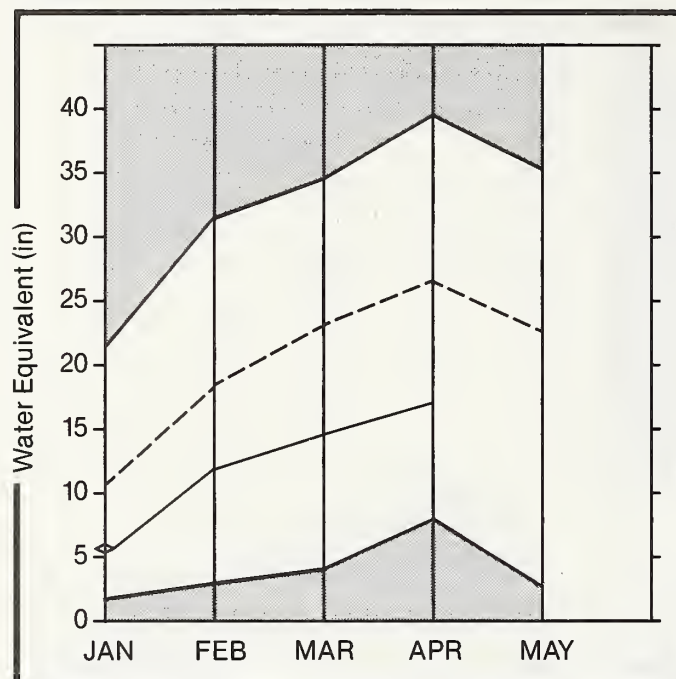
| FORECAST POINT            | FORECAST PERIOD | 25 YR. AVG. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | REAS. MAX. (1000AF) | REAS. MAX. (% AVG.) | REAS. MIN. (1000AF) | REAS. MIN. (% AVG.) |
|---------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| CLEARWATER at Orofino     | APR-SEP         | 5163.0               | 3400.0                 | 66                     | 4740.0              | 92                  | 2060.0              | 40                  |
|                           | APR-JUL         | 4889.0               | 3280.0                 | 67                     | 4550.0              | 93                  | 2010.0              | 41                  |
| CLEARWATER at Spalding    | APR-SEP         | 8378.0               | 5660.0                 | 68                     | 7590.0              | 91                  | 3820.0              | 46                  |
|                           | APR-JUL         | 7916.0               | 5370.0                 | 68                     | 7120.0              | 90                  | 3560.0              | 45                  |
| DWORSHAK RESERVOIR inflow | APR-SEP         | 3010.0               | 1920.0                 | 64                     | 2580.0              | 86                  | 1260.0              | 42                  |
|                           | APR-JUL         | 2822.0               | 1800.0                 | 64                     | 2420.0              | 86                  | 1180.0              | 42                  |
| SALMON at Whitebird       | APR-SEP         | 7007.0               | 3850.0                 | 55                     | 5390.0              | 77                  | 2310.0              | 33                  |
|                           | APR-JUL         | 6322.0               | 3570.0                 | 56                     | 4960.0              | 78                  | 2180.0              | 34                  |
| SALMON at Salmon          | APR-SEP         | 1077.0               | 630.0                  | 58                     | 995.0               | 92                  | 275.0               | 26                  |
|                           | APR-JUL         | 919.0                | 540.0                  | 59                     | 850.0               | 92                  | 230.0               | 25                  |

| RESERVOIR STORAGE |                     |                       |              |        | (1000AF)               |                         |                   |         | WATERSHED SNOWPACK ANALYSIS |  |  |  |
|-------------------|---------------------|-----------------------|--------------|--------|------------------------|-------------------------|-------------------|---------|-----------------------------|--|--|--|
| RESERVOIR         | USEABLE<br>CAPACITY | ** USEABLE STORAGE ** |              |        | WATERSHED              | NO.<br>COURSES<br>AVG'D | THIS YEAR AS % OF |         |                             |  |  |  |
|                   |                     | THIS<br>YEAR          | LAST<br>YEAR | AVG.   |                        |                         | LAST YR.          | AVERAGE |                             |  |  |  |
| DWORSHAK          | 3467.8              | 1955.1                | 2830.6       | 1996.2 | North Fork Clearwater  | 15                      | 111               | 76      |                             |  |  |  |
|                   |                     |                       |              |        | Lochsa River           | 5                       | 128               | 90      |                             |  |  |  |
|                   |                     |                       |              |        | Selway River           | 7                       | 124               | 89      |                             |  |  |  |
|                   |                     |                       |              |        | Clearwater River       | 23                      | 118               | 81      |                             |  |  |  |
|                   |                     |                       |              |        | Salmon River ab Salmon | 13                      | 110               | 67      |                             |  |  |  |
|                   |                     |                       |              |        | Lemhi River            | 8                       | 112               | 83      |                             |  |  |  |
|                   |                     |                       |              |        | Salmon River Total     | 34                      | 118               | 68      |                             |  |  |  |

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.  
2 - Corrected for upstream diversions or changes in reservoir storage.  
The average is computed for the 1961-85 base period.

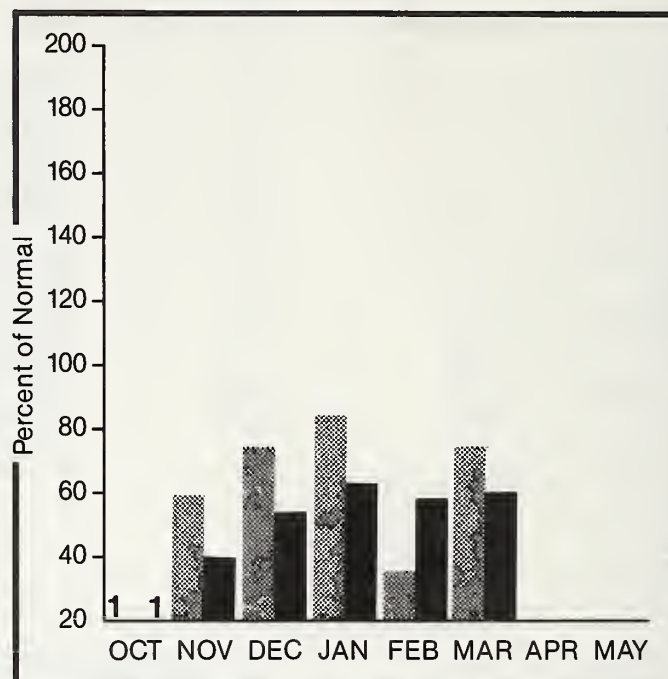
# Weiser, Payette, and Boise River Basin

**Mountain snowpack\* (inches)**



\*Based on selected stations

**Precipitation\* (percent of normal)**



\*Based on selected stations

Maximum



Average



Minimum



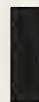
Current



Monthly precipitation



Year to date precipitation



## WATER SUPPLY OUTLOOK:

In comparison to normal, April 1 snowpack conditions remain about the same or have decreased from that reported near March 1. Snowpacks remain well below normal throughout the basin ranging from a low of 41% for the Canyon Creek drainage near Mt. Home to 68% on the Middle and North Forks of the Boise River basin. Mild temperatures during March and late February have melted most low elevation snowpacks below the 5000 ft. level. If mild temperatures continue, middle and high elevation snowpacks are expected to begin melting in mid to late April. With continued mild temperatures, streams will peak and recede to low flow conditions earlier than normal. Apr-July streamflows have again been reduced and now range from only 48 to 60% of normal. Reservoir storage levels remain below normal with most reservoirs reporting between 48 and 85% of average levels and 29 to 68% of capacity. Water is expected to be in very short supply throughout the basin except on the Payette drainage where supplies should be marginally adequate. Water users are advised to keep in touch with their local irrigation districts for estimates of the supply available to them.



# WEISER, PAYETTE AND BOISE RIVER BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT                  | FORECAST PERIOD | 25 YR. AVG. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | REAS. MAX. (1000AF) | REAS. MAX. (% AVG.) | REAS. MIN. (1000AF) | REAS. MIN. (% AVG.) |
|---------------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| WEISER nr Weiser                | APR-SEP         | 444.0                | 215.0                  | 48                     | 400.0               | 90                  | 29.0                | 7                   |
|                                 | APR-JUL         | 414.0                | 200.0                  | 48                     | 375.0               | 91                  | 26.0                | 6                   |
| PAYETTE RIVER at Horseshoe Bend | APR-SEP         | 1862.0               | 1000.0                 | 54                     | 1370.0              | 74                  | 630.0               | 34                  |
|                                 | APR-JUL         | 1717.0               | 945.0                  | 55                     | 1290.0              | 75                  | 600.0               | 35                  |
| NF PAYETTE RIVER at Cascade 2   | APR-SEP         | 568.0                | 315.0                  | 55                     | 435.0               | 77                  | 196.0               | 35                  |
|                                 | APR-JUL         | 531.0                | 295.0                  | 56                     | 405.0               | 76                  | 185.0               | 35                  |
| NF PAYETTE RIVER nr Banks 2     | APR-SEP         | 737.0                | 415.0                  | 56                     | 555.0               | 75                  | 275.0               | 37                  |
|                                 | APR-JUL         | 691.0                | 395.0                  | 57                     | 525.0               | 76                  | 265.0               | 38                  |
| SF PAYETTE RIVER at Lowman      | APR-SEP         | 516.0                | 300.0                  | 58                     | 395.0               | 77                  | 205.0               | 40                  |
|                                 | APR-JUL         | 458.0                | 270.0                  | 59                     | 350.0               | 76                  | 190.0               | 41                  |
| DEADWOOD RESERVOIR inflow       | APR-JUL         | 143.0                | 86.0                   | 60                     | 111.0               | 78                  | 61.0                | 43                  |
| BOISE RIVER nr Twin Springs 1   | APR-SEP         | 722.0                | 410.0                  | 57                     | 535.0               | 74                  | 280.0               | 39                  |
|                                 | APR-JUL         | 664.0                | 375.0                  | 56                     | 495.0               | 75                  | 255.0               | 38                  |
| SF BOISE at Anderson Dam 1      | APR-SEP         | 619.0                | 330.0                  | 53                     | 445.0               | 72                  | 220.0               | 36                  |
|                                 | APR-JUL         | 578.0                | 310.0                  | 54                     | 415.0               | 72                  | 205.0               | 35                  |
| BOISE RIVER nr Boise 1          | APR-SEP         | 1628.0               | 830.0                  | 51                     | 1150.0              | 71                  | 505.0               | 31                  |
|                                 | APR-JUL         | 1508.0               | 780.0                  | 52                     | 1080.0              | 72                  | 480.0               | 32                  |
|                                 | APR-JUN         | 1334.0               | 695.0                  | 52                     | 960.0               | 72                  | 425.0               | 32                  |

| RESERVOIR STORAGE (1000AF) |                  |                                    |           |       | WATERSHED SNOWPACK ANALYSIS |                       |                                       |
|----------------------------|------------------|------------------------------------|-----------|-------|-----------------------------|-----------------------|---------------------------------------|
| RESERVOIR                  | USEABLE CAPACITY | ** USEABLE STORAGE **<br>THIS YEAR | LAST YEAR | AVG.  | WATERSHED                   | NO. COURSES<br>AVG '0 | THIS YEAR AS % OF<br>LAST YR. AVERAGE |
| MANN CREEK                 |                  | NO REPORT                          |           |       | Mann Creek                  | 5                     | 141 49                                |
| CASCADE                    | 703.2            | 377.4                              | 506.5     | 377.6 | Weiser River                | 9                     | 124 53                                |
| DEADWOOD                   | 162.0            | 72.0                               | 98.0      | 90.8  | North Fork Payette          | 10                    | 103 62                                |
| ANDERSON RANCH             | 464.2            | 134.4                              | 384.4     | 278.1 | South Fork Payette          | 7                     | 114 64                                |
| ARROWROCK                  | 286.6            | 193.7                              | 181.9     | 227.8 | Payette River Total         | 16                    | 107 62                                |
| LUCKY PEAK                 | 307.0            | 123.4                              | 218.9     | 153.2 | Middle & North Fork Boise   | 9                     | 136 68                                |
| LAKE LOWELL (DEER FLAT)    | 177.0            | 101.2                              | 152.9     | 152.9 | South Fork Boise River      | 11                    | 122 56                                |
|                            |                  |                                    |           |       | Boise River Total           | 20                    | 130 62                                |
|                            |                  |                                    |           |       | Canyon Creek                | 3                     | 147 41                                |

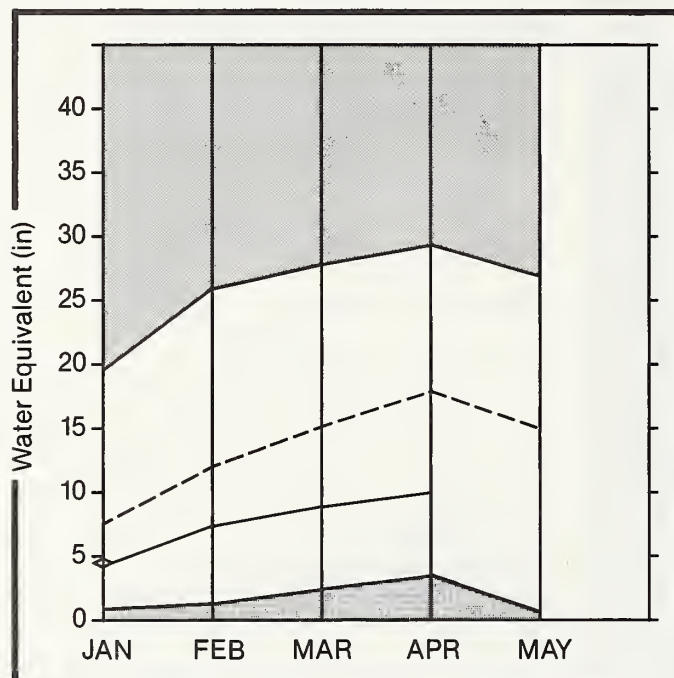
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

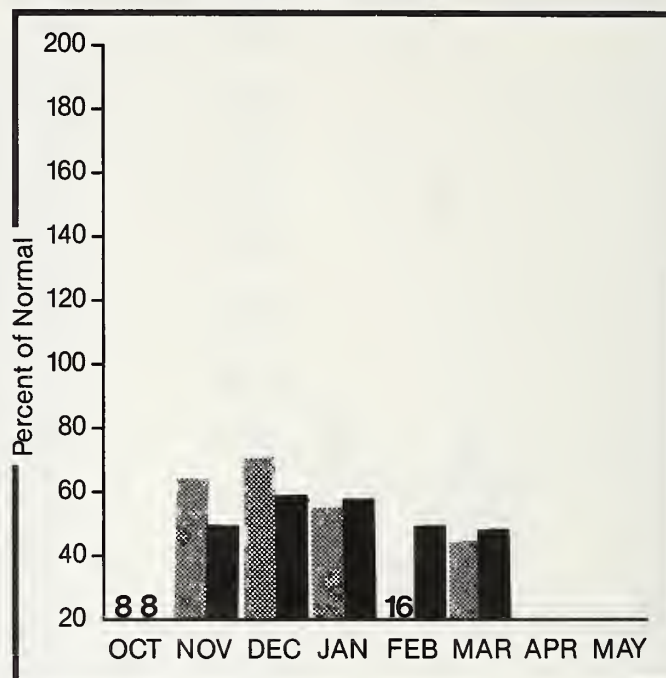
# Big Wood, Little Wood, Big Lost, and Little Lost River Basin

Mountain snowpack\* (inches)



\*Based on selected stations

Precipitation\* (percent of normal)



\*Based on selected stations

Maximum



Average



Minimum



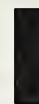
Current



Monthly precipitation



Year to date precipitation



## WATER SUPPLY OUTLOOK:

Snowpack conditions in the lower elevation basins of the Little Wood, Fish Creek, and Camas Creek drainages show a significant decrease since March 1 and now have snowpacks similar to last year on this date. In the higher elevation basins, snowpacks remained about the same as March 1 or decreased slightly in comparison to normal. Currently, snowpacks range from a low 36% of average on the Little Wood and Fish Creek basins to 69% on the Little Lost basin. Apr-July streamflow predictions have been reduced and now range from only 40% on the Little Wood to 63% on Little Lost. Reservoir levels remain very low for the anticipated runoff conditions. Magic Reservoir will not fill and the filling of Little Wood Reservoir is questionable. Water is expected to be in short supply on most basins, particularly on the Big Wood system. Water users are advised to keep in touch with their local irrigation district for estimates of the supply available to them. The amount and timing of spring precipitation will be important factors in determining the available water supply.

# BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST RIVER BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT           | FORECAST PERIOD | 25 YR. AVG.<br>(1000AF) | MOST PROBABLE<br>(1000AF) | MOST PROBABLE<br>(% AVG.) | REAS. MAX.<br>(1000AF) | REAS. MAX.<br>(% AVG.) | REAS. MIN.<br>(1000AF) | REAS. MIN.<br>(% AVG.) |
|--------------------------|-----------------|-------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|
| BIG WOOD nr Bellevue     | APR-SEP         | 217.0                   | 111.0                     | 51                        | 170.0                  | 78                     | 50.0                   | 23                     |
|                          | APR-JUL         | 202.0                   | 105.0                     | 52                        | 162.0                  | 80                     | 48.0                   | 24                     |
| MAGIC RESERVOIR inflow   | APR-SEP         | 338.0                   | 150.0                     | 44                        | 305.0                  | 90                     | 68.0                   | 20                     |
|                          | APR-JUL         | 322.0                   | 145.0                     | 45                        | 290.0                  | 90                     | 65.0                   | 20                     |
| LITTLE WOOD nr Carey     | APR-SEP         | 107.0                   | 42.0                      | 39                        | 70.0                   | 65                     | 13.0                   | 12                     |
|                          | APR-JUL         | 99.0                    | 40.0                      | 40                        | 66.0                   | 67                     | 13.0                   | 13                     |
| BIG LOST at Howell Ranch | APR-SEP         | 219.0                   | 117.0                     | 53                        | 185.0                  | 84                     | 49.0                   | 22                     |
|                          | APR-JUL         | 192.0                   | 104.0                     | 54                        | 164.0                  | 85                     | 44.0                   | 23                     |
|                          | APR-JUN         | 148.0                   | 81.0                      | 55                        | 127.0                  | 86                     | 35.0                   | 24                     |
| BIG LOST nr Mackay 2     | APR-SEP         | 195.0                   | 100.0                     | 51                        | 165.0                  | 85                     | 35.0                   | 18                     |
| LITTLE LOST bl Wet Ck    | APR-SEP         | 38.8                    | 24.0                      | 62                        | 38.0                   | 98                     | 10.0                   | 26                     |
|                          | APR-JUL         | 31.4                    | 19.6                      | 63                        | 31.0                   | 99                     | 9.0                    | 29                     |
| LITTLE LOST nr Howe      | APR-SEP         | 44.0                    | 26.0                      | 59                        | 41.0                   | 93                     | 11.0                   | 25                     |
|                          | APR-JUL         | 33.0                    | 19.8                      | 60                        | 31.0                   | 94                     | 9.0                    | 27                     |

| RESERVOIR STORAGE |                  | (1000AF)                           |           |       | WATERSHED SNOWPACK ANALYSIS |                      |                                       |    |
|-------------------|------------------|------------------------------------|-----------|-------|-----------------------------|----------------------|---------------------------------------|----|
| RESERVOIR         | USEABLE CAPACITY | ** USEABLE STORAGE **<br>THIS YEAR | LAST YEAR | AVG.  | WATERSHED                   | NO. COURSES<br>AVG'D | THIS YEAR AS % OF<br>LAST YR. AVERAGE |    |
| MAGIC             | 191.5            | 40.0                               | 145.0     | 117.4 | Big Wood ab Magic           | 10                   | 112                                   | 60 |
| LITTLE WOOD       | 30.0             | 20.3                               | 29.5      | 18.4  | Camas Creek                 | 6                    | 121                                   | 39 |
| CAREY VALLEY      |                  | NO REPORT                          |           |       | Big Wood Total              | 15                   | 113                                   | 54 |
| MACKAY            | 44.5             | 28.4                               | 38.8      | 33.3  | Little Wood River           | 4                    | 87                                    | 36 |
|                   |                  |                                    |           |       | Fish Creek                  | 3                    | 121                                   | 36 |
|                   |                  |                                    |           |       | Big Lost River              | 9                    | 101                                   | 54 |
|                   |                  |                                    |           |       | Little Lost River           | 4                    | 124                                   | 69 |

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

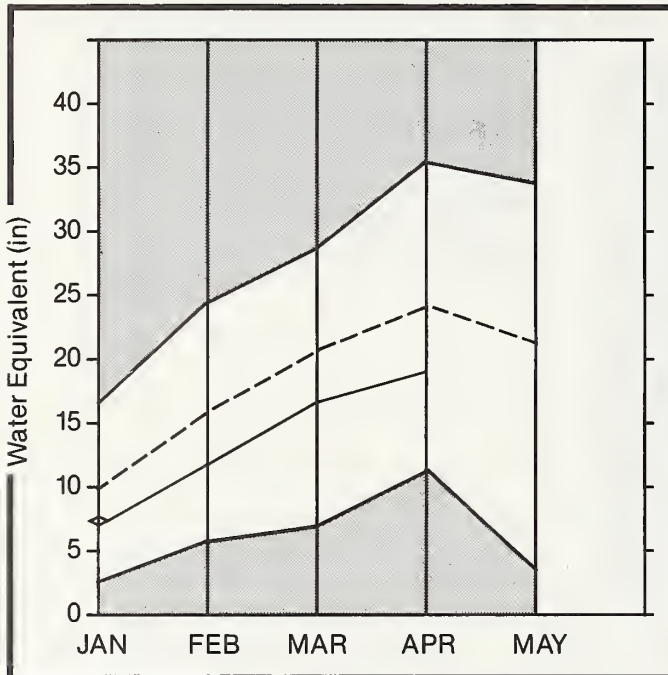
2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.



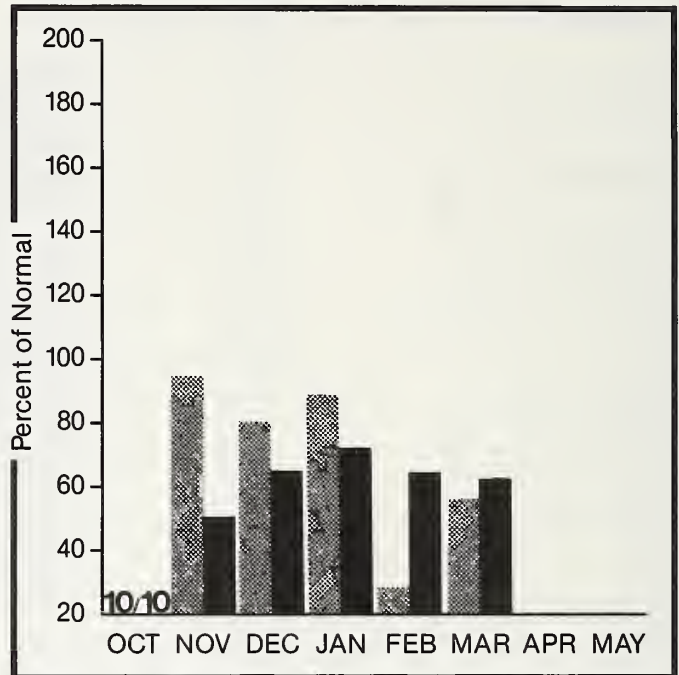
# Willow Creek, Blackfoot, Upper Snake, and Portneuf River Basin

**Mountain snowpack\* (inches)**








\*Based on selected stations

**Precipitation\* (percent of normal)**



\*Based on selected stations

Maximum  Average   
Minimum  Current 

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

April 1 snow surveys show that snowpack conditions remain about the same or have decreased slightly in comparison to normal from those reported near March 1. Snowpacks in the higher elevation basins of the Henry's Fork, Teton, and Upper Snake range from 72 to 81% of normal, while the lower elevation basins report snowpacks ranging from 58 to 73% of average. Seasonal volume streamflow forecasts remain the same or have been reduced slightly from those made a month ago. Forecasts now range from 61% on the Portneuf to 75% on the Snake at Moran. Reservoir levels are good with most reservoirs reporting normal to slightly above normal storage volumes. Water supplies are expected to be adequate to meet most user needs on the Snake main stem. Some minor shortages may occur on the lower elevation basins of the Portneuf and Blackfoot with the amount and timing of spring and early summer precipitation playing an important role in determining the available water supply.



# WILLOW CREEK, BLACKFOOT, UPPER SNAKE AND PORTNEUF RIVER BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT             | FORECAST PERIOD | 25 YR. AVG. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | REAS. MAX. (1000AF) | REAS. MAX. (% AVG.) | REAS. MIN. (1000AF) | REAS. MIN. (% AVG.) |
|----------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| HENRY'S FORK nr Ashton 2   | APR-SEP         | 746.0                | 515.0                  | 69                     | 580.0               | 78                  | 445.0               | 60                  |
|                            | APR-JUL         | 557.0                | 390.0                  | 70                     | 435.0               | 78                  | 340.0               | 61                  |
| HENRYS FORK nr Rexburg 2   | APR-SEP         | 1595.0               | 1110.0                 | 70                     | 1360.0              | 85                  | 850.0               | 53                  |
|                            | APR-JUL         | 1260.0               | 880.0                  | 70                     | 1080.0              | 86                  | 675.0               | 54                  |
| FALLS RIVER nr Squirrel    | APR-JUL         | 373.0                | 265.0                  | 71                     | 325.0               | 87                  | 200.0               | 54                  |
| TETON RIVER ab S Leigh Ck. | APR-SEP         | 194.0                | 144.0                  | 74                     | 169.0               | 87                  | 119.0               | 61                  |
|                            | APR-JUL         | 145.0                | 109.0                  | 75                     | 128.0               | 88                  | 90.0                | 62                  |
| TETON nr St. Anthony       | APR-SEP         | 479.0                | 350.0                  | 73                     | 405.0               | 85                  | 290.0               | 61                  |
|                            | APR-JUL         | 387.0                | 285.0                  | 74                     | 330.0               | 85                  | 240.0               | 62                  |
| SNAKE at Moran 1           | APR-SEP         | 888.0                | 670.0                  | 75                     | 780.0               | 88                  | 560.0               | 63                  |
| PALISADES LAKE inflow 1    | APR-SEP         | 3852.0               | 2780.0                 | 72                     | 3550.0              | 92                  | 2010.0              | 52                  |
| SNAKE nr Heise 2           | APR-SEP         | 4142.0               | 3000.0                 | 72                     | 3830.0              | 92                  | 2210.0              | 53                  |
|                            | APR-JUL         | 3524.0               | 2550.0                 | 72                     | 3250.0              | 92                  | 1880.0              | 53                  |
| SNAKE nr Blackfoot 2       | APR-SEP         | 5680.0               | 4090.0                 | 72                     | 5000.0              | 88                  | 3100.0              | 55                  |
|                            | APR-JUL         | 4589.0               | 3290.0                 | 72                     | 4050.0              | 88                  | 2530.0              | 55                  |
| PORTNEUF at Topaz          | MAR-SEP         | 109.0                | 65.0                   | 60                     | 102.0               | 94                  | 28.0                | 26                  |
|                            | MAR-JUL         | 88.0                 | 54.0                   | 61                     | 84.0                | 95                  | 24.0                | 27                  |

| RESERVOIR STORAGE |                  | (1000AF)     |                           |         | WATERSHED SNOWPACK ANALYSIS |                   |                                    |    |
|-------------------|------------------|--------------|---------------------------|---------|-----------------------------|-------------------|------------------------------------|----|
| RESERVOIR         | USEABLE CAPACITY | ** THIS YEAR | USEABLE STORAGE LAST YEAR | ** AVG. | WATERSHED                   | NO. COURSES AVG'D | THIS YEAR AS % OF LAST YR. AVERAGE |    |
| ISLAND PARK       | 127.6            | 132.5        | 134.2                     | 119.3   | Camas-Beaver Creeks         | 4                 | 99                                 | 58 |
| GRASSY LAKE       | 15.2             | 9.5          | 13.3                      | 11.2    | Henrys Fork River           | 13                | 131                                | 75 |
| JACKSON LAKE      | 624.4            | 102.9        | 113.4                     | 525.9   | Teton River                 | 9                 | 121                                | 78 |
| PALISADES         | 1200.0           | 913.7        | 1323.2                    | 968.2   | Snake above Palisades       | 32                | 120                                | 77 |
| AMERICAN FALLS    | 1700.0           | 1567.7       | 1630.9                    | 1452.5  | Snake above Jackson Lake    | 8                 | 145                                | 81 |
| BROWNLEE          | 975.3            | 614.0        | 824.8                     | 449.1   | Gros Ventre River           | 3                 | 100                                | 83 |
| BLACKFOOT         | 348.7            | 258.1        | ---                       | 260.7   | Greys River                 | 5                 | 130                                | 79 |
| HENRY'S LAKE      | 90.4             | 79.4         | 83.3                      | 80.1    | Salt River                  | 6                 | 107                                | 65 |
| RIRIE             | 96.5             | 53.6         | 58.3                      | 53.1    | Willow Creek                | 11                | 114                                | 73 |
|                   |                  |              |                           |         | Blackfoot River             | 8                 | 113                                | 65 |
|                   |                  |              |                           |         | Portneuf River              | 10                | 126                                | 60 |
|                   |                  |              |                           |         | Toponce Creek               | 3                 | 131                                | 59 |

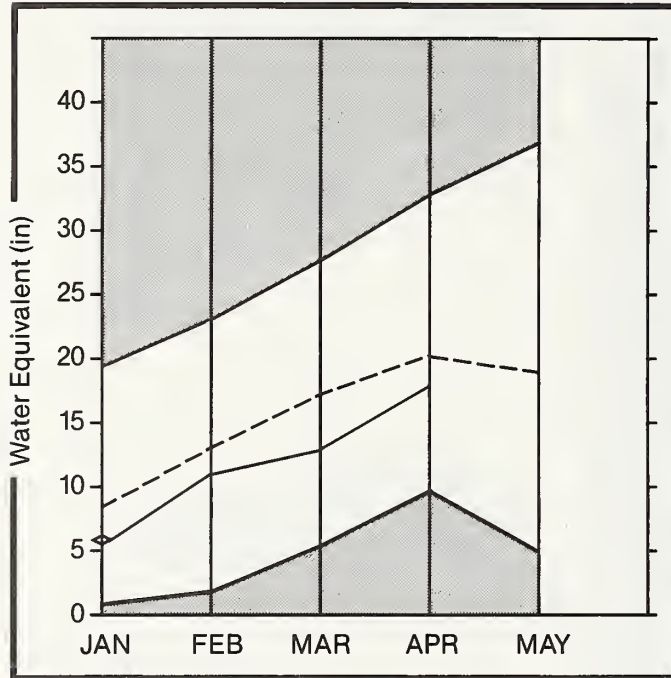
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Southside Snake River Basin

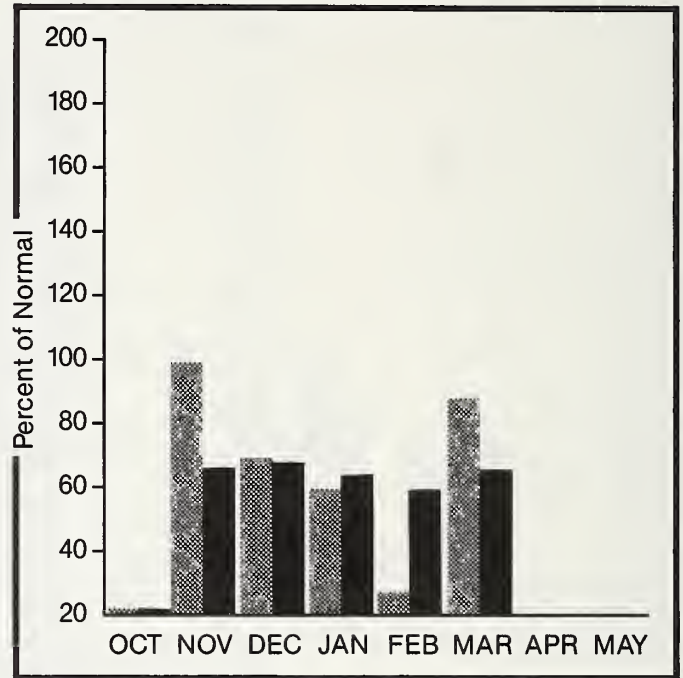
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum Average   
Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Snowpack conditions show a good improvement in comparison to normal over the past month on all basins except the Owyhee which reports a declining snowpack. Snowpacks now range from 71 to 82% of normal on all basins from the Bruneau basin eastward. The Owyhee basin now shows only a 60% of normal snowpack. March-July and Apr-July streamflow forecasts currently range from 36% on Inflow to Owyhee Reservoir to 65% on Salmon Falls Creek. Reservoir levels remain well below normal, ranging from 49% of average (21% of capacity) in Oakley Reservoir to 74% of average (25% of capacity) in Salmon Falls Creek Reservoir. Water supplies are expected to be marginal in most basins. The amount of spring and early summer precipitation will be important factors in determining the amount of water available and water users are advised to keep in touch with their local irrigation districts for estimates of the supply available to them.

# SOUTHSIDE SNAKE RIVER BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT                 | FORECAST PERIOD | 25 YR. AVG.<br>(1000AF) | MOST PROBABLE<br>(1000AF) | MOST PROBABLE<br>(% AVG.) | REAS. MAX.<br>(1000AF) | REAS. MAX.<br>(% AVG.) | REAS. MIN.<br>(1000AF) | REAS. MIN.<br>(% AVG.) |
|--------------------------------|-----------------|-------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|
| OAKLEY RESERVOIR inflow        | APR-SEP         | 33.0                    | 19.0                      | 58                        | 31.0                   | 94                     | 7.0                    | 21                     |
|                                | APR-JUL         | 29.7                    | 17.5                      | 59                        | 28.0                   | 94                     | 7.0                    | 24                     |
| SALMON FALLS CK nr San Jacinto | MAR-SEP         | 102.0                   | 65.0                      | 64                        | 102.0                  | 100                    | 28.0                   | 27                     |
|                                | MAR-JUL         | 97.0                    | 63.0                      | 65                        | 98.0                   | 101                    | 28.0                   | 29                     |
|                                | MAR-JUN         | 91.0                    | 59.0                      | 65                        | 92.0                   | 101                    | 26.0                   | 29                     |
| BRUNEAU nr Hot Spring          | MAR-SEP         | 260.0                   | 160.0                     | 62                        | 255.0                  | 98                     | 64.0                   | 25                     |
|                                | MAR-JUL         | 248.0                   | 156.0                     | 63                        | 245.0                  | 99                     | 64.0                   | 26                     |
| OWYHEE RIVER nr Gold Creek 2   | APR-JUL         | 27.8                    | 16.1                      | 58                        | 31.0                   | 112                    | 1.0                    | 4                      |
| OWYHEE RIVER nr Owyhee 2       | APR-JUL         | 86.0                    | 43.0                      | 50                        | 83.0                   | 97                     | 3.0                    | 3                      |
| OWYHEE LAKE inflow 1           | APR-SEP         | 455.0                   | 166.0                     | 36                        | 340.0                  | 75                     | 46.0                   | 10                     |
|                                | APR-JUL         | 427.0                   | 154.0                     | 36                        | 320.0                  | 75                     | 43.0                   | 10                     |
| OWYHEE at Rome 2               | APR-JUL         | 376.0                   | 145.0                     | 39                        | 310.0                  | 82                     | 60.0                   | 16                     |

| RESERVOIR STORAGE (1000AF) |                  |                                    |           |       | WATERSHED SNOWPACK ANALYSIS |                      |                                       |
|----------------------------|------------------|------------------------------------|-----------|-------|-----------------------------|----------------------|---------------------------------------|
| RESERVOIR                  | USEABLE CAPACITY | ** USEABLE STORAGE **<br>THIS YEAR | LAST YEAR | AVG.  | WATERSHED                   | NO. COURSES<br>AVG'D | THIS YEAR AS % OF<br>LAST YR. AVERAGE |
| OAKLEY                     | 77.4             | 16.6                               | 34.8      | 34.0  | Raft River                  | 9                    | 110 71                                |
| SALMON FALLS               | 182.6            | 46.0                               | 99.7      | 62.3  | Goose-Trapper Creeks        | 5                    | 115 71                                |
| OWYHEE                     | 715.0            | 288.2                              | 565.9     | 560.6 | Salmon Falls Creek          | 12                   | 120 82                                |
|                            |                  |                                    |           |       | Bruneau River               | 12                   | 119 80                                |
|                            |                  |                                    |           |       | Owyhee River                | 27                   | 91 60                                 |

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

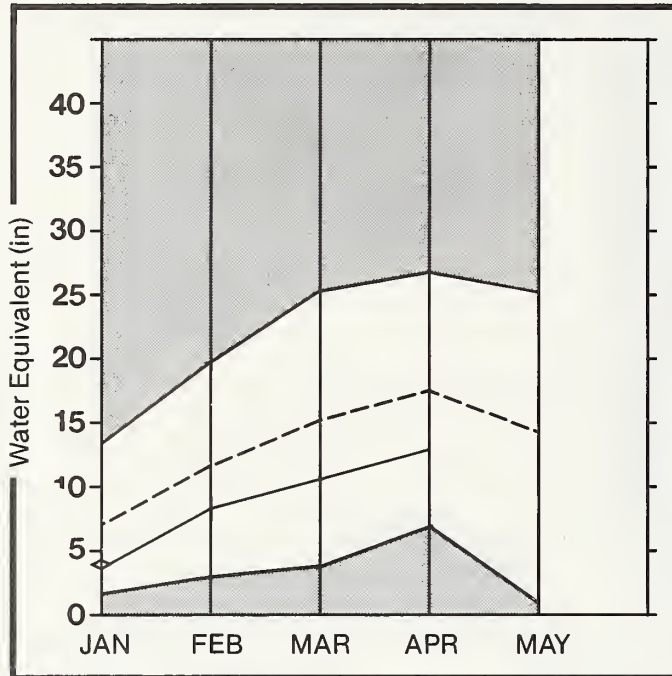
2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.



# Great Basin

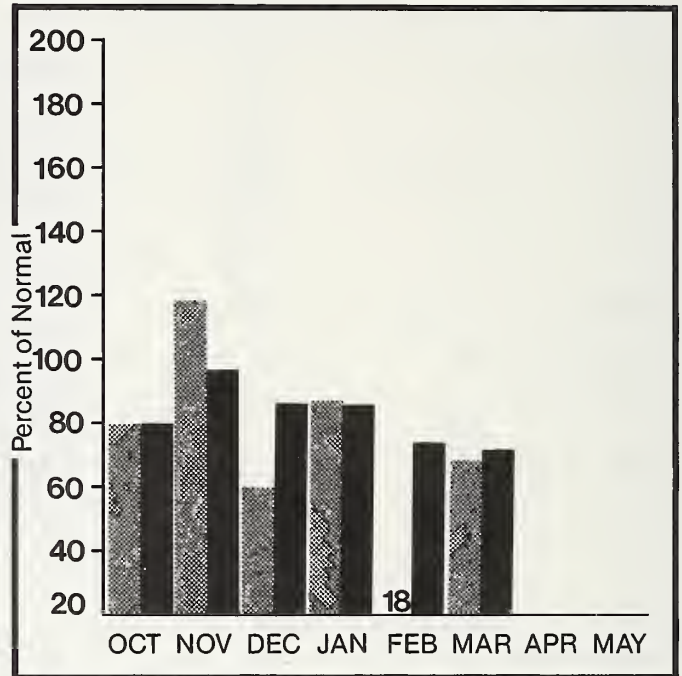
**Mountain snowpack\* (inches)**





\*Based on selected stations

Maximum  Average   
Minimum  Current 

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

Snowpack conditions remain about the same or have decreased slightly in comparison to normal from that reported March 1. Basin snowpacks remain below to well below normal, ranging from 47% on the Malad drainage to 71% on the Upper Bear River. Apr-July streamflow forecasts remain below to well below normal, ranging from 48% to 72%. Bear Lake is reported at 106% of normal storage on April 1, while Montpelier Creek Reservoir shows 75% of normal storage. Water supplies should be adequate to meet most user needs provided normal precipitation patterns occur through the spring and early summer period.

For more information contact your local Soil Conservation Service office.



# GREAT BASIN

## STREAMFLOW FORECASTS

| FORECAST POINT              | FORECAST PERIOD | 25 YR. AVG. (1000AF) | MOST PROBABLE (1000AF) | MOST PROBABLE (% AVG.) | PEAS. MAX. (1000AF) | REAS. MAX. (% AVG.) | REAS. MIN. (1000AF) | REAS. MIN. (% AVG.) |
|-----------------------------|-----------------|----------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| BEAR at Harer               | APR-SEP         | 310.0                | 150.0                  | 48                     | 215.0               | 69                  | 82.0                | 26                  |
| MONTPELIER CK nr Montpelier | APR-SEP         | 13.9                 | 10.0                   | 72                     | 15.0                | 108                 | 5.0                 | 36                  |
| CUB RIVER nr Preston        | APR-SEP         | 51.8                 | 31.0                   | 60                     | 49.0                | 95                  | 15.0                | 29                  |
|                             | APR-JUL         | 46.8                 | 29.0                   | 62                     | 39.0                | 83                  | 19.0                | 41                  |

| RESERVOIR STORAGE (1000AF) |                  |                                    |           |        | WATERSHED SNOWPACK ANALYSIS |                      |                                       |    |
|----------------------------|------------------|------------------------------------|-----------|--------|-----------------------------|----------------------|---------------------------------------|----|
| RESERVOIR                  | USEABLE CAPACITY | ** USEABLE STORAGE **<br>THIS YEAR | LAST YEAR | AVG.   | WATERSHED                   | NO. COURSES<br>AVG'D | THIS YEAR AS % OF<br>LAST YR. AVERAGE |    |
| BEAR LAKE                  | 1421.0           | 1064.7                             | 1086.2    | 1002.1 | Bear River (above Harer)    | 11                   | 114                                   | 71 |
| MONTPELIER CREEK           | 3.4              | 1.2                                | 2.5       | 1.6    | Montpelier Creek            | 5                    | 126                                   | 70 |
|                            |                  |                                    |           |        | Mink Creek                  | 7                    | 147                                   | 64 |
|                            |                  |                                    |           |        | Cub River                   | 4                    | 121                                   | 61 |
|                            |                  |                                    |           |        | Mald River                  | 7                    | 152                                   | 47 |

1 - Peas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# SNOW DATA MEASUREMENTS

| SNOW COURSE                      | ELEVATION | DATE    | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 | SNOW COURSE          | ELEVATION | DATE    | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|----------------------------------|-----------|---------|------------|---------------|-----------|-----------------|----------------------|-----------|---------|------------|---------------|-----------|-----------------|
| UPPER COLUMBIA BASIN             |           |         |            |               |           |                 | WATERSHEO I          |           |         |            |               |           |                 |
| ABOVE BURKE                      | 4100      | 3/30/88 | 44         | 15.2          | 13.6      | 22.6            | MEADOW LAKE          | 9150      | 3/26/88 | 44         | 14.1          | 10.9      | 19.9            |
| ABOVE ROLANO                     | 4350      | 4/01/88 | 64         | 24.8          | 25.6      | 33.1            | MILL CREEK SUMMIT    | 8800      | 3/26/88 | 50         | 15.8          | 14.8      | 23.0            |
| BEAR MOUNTAIN                    | 5400      | 3/25/88 | 105        | 37.0          | 35.5      | 61.1            | MILL CREEK ST PILLOW | 8800      | 4/01/88 | ---        | 15.9          | ---       | 21.1            |
| BEAR MTN PILLOW                  | 5400      | 4/01/88 | ---        | 45.4          | 53.7      | 62.6            | MOONSHINE            | 7440      | 3/30/88 | 30         | 7.5           | 5.1       | 10.7            |
| BELOW ROLANO                     | 3920      | 4/01/88 | 27         | 10.4          | 12.0      | 14.5            | MOONSHINE PILLOW     | 7440      | 4/01/88 | ---        | 10.2          | 6.3       | 11.4            |
| BENTON MEADOW                    | 2370      | 3/31/88 | 0          | .0            | .0        | 4.2             | MOOSE CREEK          | 6200      | 4/01/88 | 45         | 13.0          | 7.8       | 16.9            |
| BENTON SPRING                    | 4920      | 3/31/88 | 39         | 13.2          | 13.6      | 19.4            | MOOSE CR PILLOW      | 6200      | 4/01/88 | ---        | 14.2          | 9.5       | 16.8            |
| BREEZY SADDLE                    | 5010      | 3/28/88 | 70         | 24.8          | 21.7      | 32.8            | MORGAN CREEK         | 7600      | 3/26/88 | 38         | 9.9           | 7.1       | 14.3            |
| CHILCO RIOGE                     | 3650      | 4/01/88 | 0          | .0            | .0        | 5.0             | MORGAN CREEK PILLOW  | 7600      | 4/01/88 | ---        | 10.2          | 7.1       | 13.9            |
| CONIE RIOGE                      | 3900      | 4/01/88 | 10         | 3.3           | .0        | 6.2             | MORSE CREEK SAWMILL  | 7120      | 3/27/88 | 29         | 7.0           | 7.0       | 9.4             |
| COPPER RIOGE                     | 4820      | 3/31/88 | 52         | 18.7          | 19.0      | 27.2            | MOUNTAIN MEADOWS     | 6360      | 3/28/88 | 58         | 18.5          | 14.3      | 23.8            |
| CORNER CREEK                     | 3150      | 4/01/88 | 14         | 4.6           | 5.4       | 6.1             | MOUNTAIN MOWS PILLOW | 6360      | 4/01/88 | 68         | 22.3          | 15.9      | 26.2            |
| EAST TWIN                        | 4130      | 3/31/88 | 16         | 3.7           | 1.4       | 8.8             | NEZ PERCE PASS       | 6570      | 3/26/88 | 43         | 15.6          | 10.6      | 17.8            |
| FORTY-NINE MEADOWS               | 4830      | 3/28/88 | 65         | 22.9          | 19.3      | 31.2            | PERREAU MEADOWS      | 8500      | 3/31/88 | 48         | 12.3          | 10.3      | 17.8            |
| FOURTH OF JULY SUM               | 3200      | 3/30/88 | 5          | 1.7           | .0        | 7.3             | PIERCE R.S.          | 3080      | 3/31/88 | 12         | 3.4           | 5.0       | 8.9             |
| GRANITE PEAK                     | 6000      | 3/28/88 | 106        | 34.7          | 31.2      | 45.4            | REOFISH LAKE FLAT    | 6560      | 3/31/88 | 29         | 9.5           | 6.2       | 12.4            |
| HUMBOLDT GULCH                   | 4250      | 3/30/88 | 40         | 12.8          | 8.4       | 16.8            | ROCK FLAT SUMMIT     | 5310      | 3/26/88 | 38         | 12.5          | 11.6      | 19.1            |
| HUMBOLDT GLCH PILLOW             | 4250      | 4/01/88 | ---        | 7.7           | 8.5       | 15.8            | SAOOLE MOUNTAIN      | 7940      | 3/29/88 | 64         | 21.1          | 15.9      | 26.2            |
| KELLOGG PEAK AM                  | 5560      | 4/01/88 | 57         | 20.0          | 24.4      | 32.9            | SAVAGE PASS          | 6170      | 3/31/88 | 71         | 24.6          | 18.4      | 27.3            |
| LOOKOUT                          | 5140      | 4/01/88 | 74         | 25.0          | 25.0      | 35.1            | SAVAGE PASS PILLOW   | 6170      | 4/01/88 | ---        | 24.0          | 18.0      | 29.0            |
| LOOKOUT PILLOW                   | 5140      | 3/30/88 | ---        | 25.4          | 25.3      | 33.6            | SCHWARTZ LAKE        | 8540      | 4/01/88 | 43         | 11.6          | 11.1      | 13.5            |
| LOST LAKE                        | 6110      | 3/28/88 | 126        | 54.6          | 44.6      | 59.3            | SECESH SUMMIT        | 6520      | 3/26/88 | 67         | 23.6          | 21.0      | 36.8            |
| LOST LAKE PILLOW                 | 6110      | 4/01/88 | 134        | 46.7          | 51.6      | 66.1            | SECESH SUMMIT PILLOW | 6520      | 4/01/88 | ---        | 27.5          | 20.6      | 37.3            |
| LOWER SANOS CREEK                | 3120      | 3/31/88 | 42         | 13.5          | 14.4      | 20.0            | SHANGHAI SUMMIT      | 4570      | 3/28/88 | 46         | 16.4          | 18.1      | 26.5            |
| MOSQUITO RIOGE                   | 5200      | 4/01/88 | 76         | 27.2          | 30.2      | 38.2            | SHANGHAI SUM PILLOW  | 4570      | 4/01/88 | ---        | 18.5          | 19.3      | 27.9            |
| ROLANO SUMMIT                    | 5120      | 4/01/88 | 72         | 28.4          | 30.2      | 38.2            | SHERWIN              | 3200      | 3/30/88 | 25         | 7.7           | 4.8       | 12.1            |
| SAGE CREEK SAOOLE                | 4080      | 4/01/88 | 31         | 10.8          | 12.3      | 18.4            | SHERWIN PILLOW       | 3200      | 4/01/88 | ---        | 7.0           | 5.1       | 11.4            |
| SCHWEITZER BASIN                 | 6090      | 3/30/88 | 102        | 37.8          | 38.4      | 47.8            | SQUAW MEADOW         | 5930      | 3/26/88 | 62         | 23.2          | 19.8      | 37.0            |
| SCHWEITZER BN PILLOW             | 6090      | 4/01/88 | ---        | 42.4          | 46.3      | 50.2            | TWIN PEAKS           | 9190      | 3/31/88 | 48         | 15.2          | 15.1      | 25.9            |
| SCHWEITZER BOWL                  | 4800      | 3/30/88 | 61         | 22.7          | 23.0      | 30.5            | VIENNA MINE          | 8960      | 4/01/88 | 72         | 24.1          | 21.1      | 37.9            |
| SCHWEITZER RIOGE                 | 6200      | 3/30/88 | 97         | 36.5          | 42.5      | 47.9            | VIENNA MINE PILLOW   | 8960      | 4/01/88 | ---        | 25.8          | 19.1      | 37.8            |
| SHERWIN                          | 3200      | 3/30/88 | 25         | 7.7           | 4.8       | 12.1            | WEBB CREEK           | 4720      | 3/31/88 | 25         | 7.2           | 7.4       | 9.0             |
| SHERWIN PILLOW                   | 3200      | 4/01/88 | ---        | 7.0           | 5.1       | 11.4            | WEST BRANCH          | 5560      | 3/29/88 | 42         | 15.2          | 11.0      | 25.6            |
| SKITWISH RIDGE                   | 5110      | 3/31/88 | 61         | 22.3          | 23.9      | 33.2            | WEST BRANCH PILLOW   | 5560      | 4/01/88 | ---        | 16.3          | 14.4      | 25.7            |
| SMITH CREEK                      | 4800      | 3/29/88 | 99         | 36.8          | 33.8      | 46.4            |                      |           |         |            |               |           |                 |
| SUNSET                           | 5540      | 4/01/88 | 65         | 22.0          | 21.4      | 33.5            |                      |           |         |            |               |           |                 |
| SUNSET PILLOW                    | 5540      | 4/01/88 | ---        | 26.8          | 28.0      | 35.8            |                      |           |         |            |               |           |                 |
| TWIN SPIRIT DIVIOE               | 3480      | 4/03/88 | 20         | 7.2           | ---       | 11.5            |                      |           |         |            |               |           |                 |
| WEST TWIN                        | 4220      | 3/31/88 | 10         | 2.0           | .0        | 7.5             |                      |           |         |            |               |           |                 |
| CLEARWATER AND SALMON BASINS     |           |         |            |               |           |                 | WATERSHEO II         |           |         |            |               |           |                 |
| ABOVE GILMORE                    | 8200      | 3/26/88 | 29         | 8.4           | 7.6       | 10.3            | ATLANTA SUMMIT       | 7600      | 4/01/88 | 72         | 24.1          | 18.6      | 35.6            |
| ASPEN-HALL PASS AM               | 8200      | 3/28/88 | 38         | 9.6           | 6.7       | 10.5            | ATLANTA SUM PILLOW   | 7580      | 4/01/88 | ---        | 22.7          | 18.5      | 32.6            |
| BANNER SUMMIT                    | 7040      | 3/31/88 | 56         | 18.3          | 17.1      | 30.8            | ATLANTA TOWNSITE     | 5370      | 4/01/88 | 20         | 6.6           | 4.1       | ---             |
| BANNER SUMMIT PILLOW             | 7040      | 4/01/88 | ---        | 18.8          | 15.6      | 27.9            | BANNER SUMMIT        | 7040      | 3/31/88 | 56         | 18.3          | 17.1      | 30.8            |
| BEAR BASIN                       | 5350      | 3/26/88 | 39         | 12.0          | 12.0      | 20.1            | BANNER SUMMIT PILLOW | 7040      | 4/01/88 | ---        | 18.8          | 15.6      | 27.9            |
| BEAR BASIN PILLOW                | 5350      | 4/01/88 | ---        | 15.7          | 11.3      | 20.3            | BAD BEAR             | 4940      | 3/31/88 | 25         | 9.3           | 4.0       | 13.4            |
| BIG CREEK SUMMIT                 | 6580      | 3/26/88 | 71         | 24.7          | 19.6      | 37.5            | BEAR BASIN           | 5350      | 3/26/88 | 39         | 12.0          | 12.0      | 20.1            |
| BIG CREEK SUM PILLOW             | 6580      | 4/01/88 | ---        | 20.8          | 20.5      | 33.9            | BEAR BASIN PILLOW    | 5350      | 4/01/88 | ---        | 15.7          | 11.3      | 20.3            |
| BORAH                            | 6200      | 3/31/88 | 18         | 5.0           | 5.5       | 6.1             | BEAR SAOOLE          | 6180      | 4/02/88 | 36         | 11.1          | 13.0      | 31.4            |
| BOULOER CREEK                    | 5440      | 3/29/88 | 32         | 12.2          | 7.6       | 23.6            | BEAR SAOOLE PILLOW   | 6180      | 4/01/88 | ---        | 14.8          | 13.3      | 31.6            |
| BREZZY SAOOLE                    | 5010      | 3/28/88 | 70         | 24.8          | 21.7      | 32.8            | BENNETT MOUNTAIN     | 6560      | 3/27/88 | 35         | 11.2          | 8.9       | 18.1            |
| BRUNDAGE MOUNTAIN                | 7560      | 4/01/88 | ---        | 30.3E         | 23.0      | 48.3            | BENNETT MTN PILLOW   | 6560      | 4/01/88 | ---        | 11.6          | 10.3      | 20.0            |
| BRUNO CREEK                      | 7920      | 4/01/88 | 50         | 16.0E         | 10.9      | 17.9            | BIG CREEK SUMMIT     | 6580      | 3/26/88 | 71         | 24.7          | 19.6      | 37.5            |
| BUCK MEADOWS                     | 5650      | 3/28/88 | 75         | 26.6          | 23.2      | 30.7            | BIG CREEK SUM PILLOW | 6580      | 4/01/88 | ---        | 20.8          | 20.5      | 33.9            |
| CAYUSE AIRSTRIP                  | 3500      | 3/31/88 | 18         | 5.3           | 5.0       | 8.7             | BOGUS BASIN          | 6340      | 3/31/88 | 48         | 17.8          | 13.8      | 25.2            |
| COOL CREEK                       | 6250      | 3/31/88 | 122        | 39.6          | 36.5      | 52.7            | BOGUS BASIN ROAD     | 5540      | 3/31/88 | 0          | .0            | .0        | 2.2             |
| COOL CREEK PILLOW                | 6280      | 4/01/88 | ---        | 40.4          | 36.4      | 49.6            | BOULOER CREEK        | 5440      | 3/29/88 | 32         | 12.2          | 7.6       | 23.6            |
| COOLWATER MOUNTAIN               | 6030      | 3/28/88 | 100        | 33.4          | 29.6      | 34.9            | BRUNOAGE MOUNTAIN    | 7560      | 4/01/88 | ---        | 30.3E         | 23.0      | 48.3            |
| COPES CAMP                       | 7520      | 3/26/88 | 32         | 8.4           | 5.6       | 8.7             | BRUNOAGE RESV PILLOW | 4500      | 4/01/88 | ---        | 18.7          | 16.0      | ---             |
| CRATER MEADOWS                   | 5960      | 3/31/88 | 100        | 37.7          | 31.6      | 45.4            | CAMAS CREEK DIVIOE   | 5710      | 3/27/88 | 4          | 1.9           | .0        | 10.2            |
| CRATER MOWS PILLOW               | 5960      | 4/01/88 | ---        | 39.3          | 32.7      | 48.0            | CHIMNEY CREEK        | 6400      | 3/27/88 | 16         | 5.7           | 5.3       | 13.4            |
| CROOKEO FORK                     | 3610      | 3/30/88 | 30         | 12.2          | 5.0       | 12.4            | COUCH SUMMIT         | 6840      | 3/27/88 | 27         | 8.9           | 7.9       | 18.8            |
| OEAOWOOD SUMMIT                  | 6860      | 3/31/88 | 83         | 30.4          | 26.9      | 46.4            | COZY COVE            | 5380      | 3/31/88 | 17         | 7.2           | 7.0       | 15.8            |
| OEAOWOOD SUM PILLOW              | 6860      | 4/01/88 | ---        | 31.7          | 26.4      | 52.2            | CRAWFORD R.S.        | 4860      | 3/26/88 | 3          | 1.2           | .0        | 5.7             |
| OOUBLE SPGS PASS AM              | 8380      | 3/26/88 | 30         | 7.1           | 7.5       | 10.8            | OEAOMAN GULCH        | 5600      | 3/30/88 | 43         | 14.5          | 13.0      | 16.8            |
| ELK BUTTE                        | 5550      | 3/28/88 | 70         | 23.1          | 24.3      | 37.4            | OEAOWOOD AIRSTRIP    | 5360      | 4/01/88 | ---        | 7.4E          | 8.6       | 15.3            |
| ELK BUTTE PILLOW                 | 5550      | 4/01/88 | ---        | 29.9          | 27.4      | 42.0            | OEAOWOOD SUMMIT      | 6860      | 3/31/88 | 83         | 30.4          | 26.9      | 46.4            |
| FISH LAKE AIRSTRIP               | 5650      | 3/28/88 | 103        | 37.1          | 29.6      | 40.0            | OEAOWOOD SUM PILLOW  | 6860      | 4/01/88 | ---        | 31.7          | 26.4      | 52.2            |
| FORTY-NINE MEADOWS               | 4830      | 3/28/88 | 65         | 22.9          | 19.3      | 31.2            | OOLLARHIOE SUMMIT    | 8420      | 4/01/88 | 51         | 15.8          | 14.0      | 25.4            |
| GALENA SUMMIT                    | 8780      | 3/29/88 | 50         | 14.6          | 14.0      | 24.4            | OOLLARHIOE SM PILLOW | 8420      | 4/01/88 | ---        | 16.5          | 14.7      | 26.0            |
| GALENA SUMMIT PILLOW             | 8780      | 4/01/88 | ---        | 14.2          | 12.8      | 19.6            | GRAHAM GUARO STATION | 5690      | 3/31/88 | 26         | 10.7          | 7.9       | 15.5            |
| GIBBONS PASS                     | 7100      | 3/29/88 | 56         | 18.8          | 13.6      | 24.0            | IOAHO CITY TOWNSITE  | 4000      | 3/31/88 | 0          | .0            | .0        | 1.4             |
| GOAT LAKE                        | 6500      | 3/28/88 | 112        | 38.9          | 35.5      | 48.0            | JACKSON PEAK         | 7070      | 3/31/88 | 64         | 20.8          | 16.0      | 32.2            |
| GRANITE PEAK                     | 6000      | 3/28/88 | 106        | 34.7          | 31.2      | 45.4            | JACKSON PEAK PILLOW  | 7070      | 4/01/88 | ---        | 21.5          | 16.8      | 31.0            |
| HEMLOCK BUTTE                    | 5810      | 3/28/88 | 96         | 33.3          | 31.7      | 50.2            | LAKE FORK            | 5290      | 3/26/88 | 29         | 9.2           | 16.4      | 16.2            |
| HEMLOCK BUTTE PILLOW             | 5810      | 4/01/88 | ---        | 37.2          | 33.8      | 51.0            | LITTLE CAMAS FLAT    | 4940      | 3/27/88 | 0          | .0            | .0        | 4.0             |
| HOOOONO BASIN                    | 6050      | 4/01/88 | 112        | 43.5          | 39.2      | 51.8            | MANN CREEK           | 6080      | 4/02/88 | 42         | 15.7          | 15.4      | 26.6            |
| HOOOONO CREEK                    | 5900      | 4/01/88 | 102        | 37.8          | 34.2      | 47.8            | MOORES CREEK SUMMIT  | 6100      | 3/31/88 | 68         | 24.1          | 18.1      | 33.0            |
| KIT CARSON PASTURE               | 4950      | 3/26/88 | 26         | 9.0           | 5.5       | 8.9             | MOORES CK SUM PILLOW | 6100      | 4/01/88 | ---        | 26.7          | 16.9      | 35.2            |
| LEATHERMAN PASS                  | 9860      | 3/31/88 | 48         | 15.2          | 18.6      | 26.8            | PLACER CREEK         | 5860      | 4/01/88 | 38         | 12.4          | 16.4      | 18.9            |
| LEMHI PASS                       | 7480      | 3/29/88 | 30         | 7.2           | 8.5       | 9.4             | PRAIRIE              | 4800      | 3/30/88 | 0          | .0            | .0        | 2.9             |
| LEMHI RIDGE                      | 8100      | 3/28/88 | 40         | 10.1          | 11.0      | 10.8            | PRAIRIE PILLOW       | 4800      | 4/01/88 | ---        | .0            | .0        | ---             |
| LOLO PASS                        | 5240      | 3/30/88 | 68         | 23.8          | 19.8      | 30.7            | ROAD CREEK           | 5380      | 4/01/88 | 20         | 6.9           | 1.3       | 8.4             |
| LOLO PASS PILLOW                 | 5240      | 4/01/88 | ---        | 26.2          | 20.6      | 33.1            | ROBINSON CREEK RIOGE | 6220      | 4/02/88 | 27         | 12.0          | .0        | 20.7            |
| LOST LAKE                        | 6110      | 3/28/88 | 126        | 54.6          | 44.6      | 59.3            | ROCK FLAT SUMMIT     | 5310      | 3/26/88 | 38         | 12.5          | 11.6      | 19.1            |
| LOST LAKE PILLOW                 | 6110      | 4/01/88 | ---        | 46.7          | 51.6      | 66.1            |                      |           |         |            |               |           |                 |
| WEISER, PAYETTE AND BOISE BASINS |           |         |            |               |           |                 | WATERSHEO III        |           |         |            |               |           |                 |

# SNOW DATA MEASUREMENTS (cont.)

| SNOW COURSE  | ELEVATION | DATE    | SNOW<br>DEPTH | WATER<br>CONTENT | LAST<br>YEAR | AVERAGE<br>1961-85 | SNOW COURSE          | ELEVATION | DATE    | SNOW<br>DEPTH | WATER<br>CONTENT | LAST<br>YEAR | AVERAGE<br>1961-85 |
|--|-----------|---------|---------------|------------------|--------------|--------------------|----------------------|-----------|---------|---------------|------------------|--------------|--------------------|
| WILLOW, BLACKFOOT, UPPER SNAKE AND PORTNEUF BASINS     |           |         |               |                  |              |                    | WATERSHEO V          |           |         |               |                  |              |                    |
| SECESH SUMMIT  | 6520      | 3/26/88 | 67            | 23.6             | 21.0         | 36.8               | ASPEN GROVE          | 6500      | 4/01/88 | ---           | 9.4E             | 7.8          | 12.6               |
| SECESH SUMMIT PILLOW                                   | 6520      | 4/01/88 | ---           | 27.5             | 20.6         | 37.3               | AUSTIN BROTHERS RNCH | 6400      | 3/30/88 | 17            | 5.7              | 4.6          | 8.8                |
| SOLOIER R.S.   | 5740      | 3/27/88 | 6             | 1.8              | 2.2          | 10.6               | BEAVEROAM CREEK      | 6120      | 3/27/88 | 14            | 5.0              | 2.7          | 9.7                |
| SOLOIER R.S. PILLOW                                    | 4330      | 4/01/88 | ---           | 2.4              | 2.2          | ---                | BIG SPRINGS          | 6400      | 3/30/88 | 41            | 12.9             | 12.4         | 21.4               |
| SQUAW FLAT   | 6240      | 3/27/88 | 46            | 16.2             | 16.4         | 27.9               | BIRCH CREEK          | 6800      | 3/31/88 | 21            | 7.3              | 6.8          | 11.4               |
| SQUAW FLAT PILLOW                                      | 6240      | 4/01/88 | ---           | 16.6             | 13.2         | 25.4               | BLACK BEAR           | 7950      | 4/04/88 | 97            | 36.0             | 20.2         | 43.2               |
| SQUAW MEADOW   | 5900      | 3/26/88 | 62            | 23.2             | 19.8         | 37.0               | BLACK CANYON         | 7960      | 4/01/88 | ---           | 27.4E            | 20.2         | ---                |
| STURGILL RIDGE   | 6680      | 4/02/88 | 42            | 16.6E            | 16.0         | 33.0               | BLACK MOOSE          | 8160      | 4/01/88 | ---           | 31.3E            | 22.4         | 40.1               |
| THORSON CABIN  | 5320      | 4/01/88 | 21            | 7.2              | .0           | 15.3               | BLUE LEDGE MINE      | 6900      | 4/01/88 | 38            | 10.9             | 10.6         | 17.5               |
| TRINITY MOUNTAIN                                       | 7770      | 4/01/88 | 78            | 29.3             | 22.5         | 42.8               | BLUE RIOGE           | 6780      | 3/31/88 | 36            | 13.6             | 12.6         | 19.6               |
| TRINITY MTN. PILLOW                                    | 7770      | 4/01/88 | ---           | 28.2             | 22.3         | 41.3               | BONE                 | 6200      | 3/27/88 | 18            | 5.5              | 2.9          | 6.8                |
| TRIPPOO SUMMIT   | 5260      | 3/26/88 | 30            | 12.2             | 20.4         | 18.9               | BROCKMAN STATION     | 6430      | 3/31/88 | 25            | 8.9              | 7.5          | 9.2                |
| VIENNA MINE  | 8960      | 4/01/88 | 72            | 24.1             | 21.1         | 37.9               | CAMP CREEK           | 6580      | 3/30/88 | 18            | 4.7              | 6.2          | 11.6               |
| VIENNA MINE PILLOW                                     | 8960      | 4/01/88 | ---           | 25.8             | 19.1         | 37.8               | COLO SPRINGS         | 7000      | 3/26/88 | 41            | 14.8             | 11.4         | 22.9               |
| WEST BRANCH  | 5560      | 3/29/88 | 42            | 15.2             | 11.0         | 25.6               | CRAB CREEK           | 6860      | 4/01/88 | 36            | 10.5             | 9.5          | 16.7               |
| WEST BRANCH PILLOW                                     | 5560      | 4/01/88 | ---           | 16.3             | 14.4         | 25.7               | CRAB CREEK PILLOW    | 6860      | 4/01/88 | ---           | 9.6              | 8.8          | 17.2               |
| BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST BASINS |           |         |               |                  |              |                    | EAST CREEK           | 7000      | 3/27/88 | 28            | 8.8              | 6.7          | 11.9               |
| BEAR CANYON  | 7900      | 3/31/88 | 39            | 10.6             | 10.4         | 19.3               | FALL CREEK           | 6820      | 3/31/88 | 13            | 4.5              | 5.7          | 9.7                |
| BEAR CANYON PILLOW                                     | 7900      | 4/01/88 | ---           | 10.7             | 8.9          | 17.3               | GRASSY LAKE          | 7270      | 3/30/88 | 77            | 29.2             | 21.6         | 36.2               |
| BENNETT MOUNTAIN                                       | 6560      | 3/27/88 | 35            | 11.2             | 8.9          | 18.1               | GRASSY LAKE PILLOW   | 7270      | 4/01/88 | ---           | 28.5             | 18.6         | 37.5               |
| BENNETT MTN PILLOW                                     | 6560      | 4/01/88 | ---           | 11.6             | 10.3         | 20.0               | INDIAN MEADOWS       | 9420      | 3/31/88 | 85            | 31.1             | 22.1         | 38.6               |
| CAMAS CREEK OIVIOE                                     | 5710      | 3/27/88 | 4             | 1.9              | .0           | 10.2               | IRVING CREEK         | 7040      | 3/29/88 | 18            | 4.4              | 5.0          | 5.8                |
| CHINNEY CREEK  | 6400      | 3/27/88 | 16            | 5.7              | 5.3          | 13.4               | ISLANO PARK          | 6290      | 3/30/88 | 33            | 11.1             | 11.3         | 17.3               |
| COPPER BASIN   | 7640      | 3/31/88 | 16            | 4.5              | 4.2          | 10.5               | ISLANO PARK PILLOW   | 6290      | 4/01/88 | ---           | 12.2             | 10.2         | 16.6               |
| COUCH SUMMIT   | 6840      | 3/27/88 | 27            | 8.9              | 7.9          | 18.8               | JACKPINE CREEK       | 7350      | 3/31/88 | 52            | 17.2             | 13.6         | 22.5               |
| OOLLARHIOE SUMMIT                                      | 8420      | 4/01/88 | 51            | 15.8             | 14.0         | 25.4               | JOHNSON CREEK        | 6730      | 3/30/88 | 32            | 9.6              | 8.7          | 14.3               |
| OOLLARHIOE SH PILLOW                                   | 8420      | 4/01/88 | ---           | 16.5             | 14.7         | 26.0               | KILGORE              | 6320      | 4/01/88 | 20            | 7.2              | 7.4          | 11.8               |
| ORY FORK   | 7220      | 3/29/88 | 29            | 8.5              | 6.3          | 16.3               | LATHAM SPRINGS       | 7630      | 3/27/88 | 71            | 26.1             | 18.0         | 33.8               |
| FISHPOLE LAKE  | 9300      | 3/31/88 | 46            | 14.9             | 13.4         | 22.1               | LAVA CREEK           | 7350      | 3/31/88 | 35            | 11.2             | 10.1         | 15.1               |
| GALENA   | 7440      | 4/01/88 | ---           | 11.9E            | 10.4         | 19.0               | LOWER PEBBLE         | 5780      | 3/26/88 | 32            | 11.8             | 5.4          | 13.4               |
| GALENA PILLOW  | 7440      | 4/01/88 | ---           | 11.9             | 9.8          | 18.8               | LUCKY DOG            | 6860      | 3/31/88 | 58            | 20.4             | 15.2         | 34.4               |
| GALENA NEW   | 7470      | 3/29/88 | 43            | 13.0             | 11.3         | 21.3               | MAOISON PLATEAU      | 7750      | 4/04/88 | 65            | 21.6             | 14.9         | 24.1               |
| GALENA SUMMIT  | 8780      | 3/31/88 | 50            | 14.6             | 14.0         | 24.4               | MC RENOLDS RESERVOIR | 6720      | 3/31/88 | 36            | 12.1             | 10.7         | 20.2               |
| GALENA SUMMIT PILLOW                                   | 8780      | 4/01/88 | ---           | 14.2             | 12.8         | 19.6               | MINK CREEK           | 6410      | 4/01/88 | 32            | 11.1             | 10.9         | 19.2               |
| GARFIELD R.S.  | 6560      | 3/31/88 | 0             | .0               | 2.5          | 10.3               | MUO CREEK            | 7100      | 3/31/88 | 51            | 17.0             | 16.1         | 19.8               |
| GARFIELD R.S. PILLOW                                   | 6560      | 4/01/88 | ---           | 3.1              | 4.5          | 10.4               | PACKSAOOLE SPRING    | 8200      | 3/31/88 | 66            | 24.2             | 18.4         | 30.3               |
| GRAHAM RANCH   | 6270      | 3/29/88 | 23            | 6.6              | 7.1          | 14.5               | PEBBLE CREEK         | 6550      | 3/26/88 | 29            | 9.1              | 7.3          | 16.4               |
| HILTS CREEK  | 8000      | 3/31/88 | 33            | 7.9              | 7.8          | 11.6               | PHILLIPS BENCH       | 8200      | 3/30/88 | 78            | 24.9             | 20.0         | 30.5               |
| HILTS CREEK PILLOW                                     | 8000      | 4/01/88 | ---           | 10.8             | 8.3          | 13.5               | PHILLIPS BENCH PILL. | 8200      | 4/01/88 | ---           | 22.6             | 17.4         | 29.0               |
| HYNOMAN CREEK  | 7440      | 3/31/88 | 27            | 8.4              | 8.1          | 14.5               | PINE CREEK PASS      | 6810      | 3/31/88 | 44            | 14.5             | 10.2         | 17.8               |
| HYNOMAN PILLOW   | 7440      | 4/01/88 | ---           | 8.7              | 8.3          | 13.2               | PUTNAM               | 7220      | 3/26/88 | 35            | 12.2             | 10.5         | 21.4               |
| IRON BOG   | 7650      | 3/29/88 | 19            | 5.4              | 5.8          | 13.5               | SAWTELL MOUNTAIN     | 8720      | 3/30/88 | 83            | 29.1             | 23.7         | 36.5               |
| IRON MINE CREEK  | 6300      | 3/30/88 | 13            | 4.0              | 4.0          | 11.1               | SEOGEWICK PEAK       | 7850      | 3/27/88 | 35            | 10.0             | 9.0          | 18.6               |
| LEAOBELT   | 6700      | 3/29/88 | 5             | 1.9              | 3.9          | 9.4                | SHEEP MOUNTAIN       | 6570      | 3/31/88 | 28            | 9.8              | 7.8          | 14.1               |
| LEATHERMAN PASS  | 9860      | 3/31/88 | 48            | 15.2             | 18.6         | 24.8               | SHEEP MTN PILLOW     | 6570      | 4/01/88 | ---           | 10.9             | 8.0          | 16.6               |
| LITTLE CAMAS FLAT                                      | 4940      | 3/27/88 | 0             | .0               | .0           | 4.0                | SLUG CREEK OIVIOE    | 7230      | 3/28/88 | 34            | 11.0             | 8.8          | 17.6               |
| LOST-WOOD OIVIOE                                       | 7900      | 3/31/88 | 47            | 15.2             | 12.0         | 24.0               | SLUG CK OVD PILLOW   | 7230      | 4/01/88 | ---           | 13.0             | 9.1          | 20.0               |
| LOST-WOOD OVO PILLOW                                   | 7900      | 4/01/88 | ---           | 14.3             | 11.4         | 25.3               | SOMSEN RANCH         | 6840      | 3/30/88 | 36            | 10.5             | 9.5          | 15.1               |
| MASCOT MINE  | 7780      | 3/31/88 | 27            | 7.8              | 7.2          | 15.4               | SOMSEN RANCH PILLOW  | 6800      | 4/01/88 | ---           | 9.7              | 7.7          | 14.8               |
| MOONSHINE  | 7440      | 3/30/88 | 30            | 7.5              | 5.1          | 10.7               | STATE LINE           | 6660      | 3/31/88 | 47            | 13.9             | 10.4         | 15.0               |
| MOONSHINE PILLOW                                       | 7440      | 4/01/88 | ---           | 10.2             | 6.3          | 11.4               | SULPHUR PEAK         | 7070      | 3/30/88 | 32            | 10.5             | 9.2          | 16.9               |
| MOUNT BALOX  | 8920      | 4/01/88 | 43            | 13.2             | 11.0         | 21.7               | TARGHEE PASS         | 6980      | 4/01/88 | ---           | 9.8E             | 9.8          | 16.1               |
| MULOON   | 6320      | 3/31/88 | 0             | .0               | 1.2          | 6.9                | TETON PASS W.S.      | 7740      | 3/30/88 | 70            | 17.8             | 21.4         | 26.8               |
| SAWMILL CANYON   | 7000      | 3/30/88 | 18            | 4.6              | 4.5          | 7.9                | TEX CREEK            | 6650      | 4/01/88 | ---           | 6.7E             | 4.7          | 10.2               |
| SOLOIER R.S.   | 5740      | 3/27/88 | 6             | 1.8              | 2.2          | 10.6               | TOPONCE              | 6160      | 3/26/88 | 23            | 9.0              | 5.6          | 17.1               |
| SOLOIER R.S. PILLOW                                    | 4330      | 4/01/88 | ---           | 2.4              | 2.2          | ---                | VALLEY VIEW          | 6680      | 3/30/88 | 33            | 10.8             | 11.0         | 17.7               |
| STICKNEY HILL  | 7430      | 3/31/88 | 17            | 5.1              | 5.5          | 10.4               | WEBBER CREEK         | 6700      | 3/29/88 | 16            | 3.8              | 4.8          | 6.0                |
| STICKNEY HILL PILLOW                                   | 7430      | 4/01/88 | ---           | 3.8              | 4.2          | 9.6                | WHISKEY CREEK        | 6800      | 4/04/88 | 53            | 17.0             | 13.1         | 21.8               |
| SWEDE PEAK   | 7640      | 3/31/88 | 30            | 8.9              | 8.4          | 18.3               | WHITE ELEPHANT       | 7710      | 3/30/88 | 60            | 20.1             | 16.0         | 26.6               |
| TELFER RANCH   | 5840      | 3/30/88 | 0             | .0               | .0           | 7.0                | WHITE ELEPHANT PILL  | 7710      | 4/01/88 | ---           | 22.0             | 16.5         | 27.8               |
| VIENNA MINE  | 8960      | 4/01/88 | 72            | 24.1             | 21.1         | 37.9               | WILDHORSE OIVIOE     | 6490      | 4/01/88 | 28            | 9.9              | 11.0         | 17.9               |
| VIENNA MINE PILLOW                                     | 8960      | 4/01/88 | ---           | 25.8             | 19.1         | 37.8               | WILDHORSE OVD PILLOW | 6490      | 4/01/88 | ---           | 10.2             | 9.9          | 17.4               |
| WET CREEK SUMMIT                                       | 7680      | 3/31/88 | 33            | 9.6              | 6.4          | 12.8               | WOOD CANYON OIVIOE   | 7450      | 3/30/88 | 37            | 11.6             | 9.9          | 19.8               |



# SNOW DATA MEASUREMENTS (cont.)

| SNOW COURSE           | ELEVATION | DATE    | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 | SNOW COURSE         | ELEVATION | DATE    | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 1961-85 |
|-----------------------|-----------|---------|------------|---------------|-----------|-----------------|---------------------|-----------|---------|------------|---------------|-----------|-----------------|
| SOUTHSIDE SNAKE BASIN |           |         |            |               |           |                 | WATERSHED VI        |           |         |            |               |           |                 |
| ANTELOPE RIDGE        | 6180      | 3/26/88 | 0          | .0            | .0        | 6.3             | GREAT BASIN         |           |         |            |               |           |                 |
| BADGER GULCH          | 6560      | 3/26/88 | 26         | 9.0           | 8.8       | 13.5            | CHRISTENSEN RANCH   | 5560      | 3/25/88 | 16         | 6.0           | .0        | 8.1             |
| BATTLE CREEK AM       | 5720      | 4/05/88 | 0          | .0            | .0        | 1.7             | CLIFF CANYON        | 7200      | 3/25/88 | 8          | 3.4           | 1.8       | 10.5            |
| BEAR CREEK            | 7800      | 3/31/88 | 59         | 19.6          | 17.2      | 22.2            | CUB RIVER R.S.      | 5450      | 3/25/88 | 9          | 3.5           | 3.7       | 7.3             |
| BEAR CK SNOTEL        | 7800      | 4/01/88 | ---        | 18.5          | 14.3      | 33.9            | DANIELS CREEK       | 6270      | 3/25/88 | 11         | 3.6           | 2.2       | 5.2             |
| BIG BEND              | 6700      | 4/01/88 | 18         | 6.0           | 4.0       | 9.0             | DRY BASIN           | 7820      | 3/25/88 | 53         | 18.0          | 15.6      | 30.6            |
| BOSTETTER R.S.        | 7500      | 3/26/88 | 48         | 16.4          | 12.2      | 20.6            | DRY CREEK FLAT      | 6360      | 3/25/88 | 5          | 2.0           | .0        | 5.8             |
| BOSTETTER RS PILLOW   | 7500      | 4/01/88 | ---        | 12.0          | 10.1      | 18.7            | EMIGRANT SUMMIT     | 7390      | 3/30/88 | 47         | 16.3          | 12.1      | 25.9            |
| BOY SCOUT CAMP        | 7740      | 3/26/88 | 39         | 13.6          | 11.0      | 17.0            | EMIGRATION CANYON   | 6500      | 3/30/88 | 22         | 7.4           | 6.2       | 11.1            |
| BULL BASIN AM         | 5460      | 4/05/88 | 0          | .0            | .0        | .6              | FRANKLIN BASIN      | 8020      | 3/25/88 | 53         | 17.8          | 15.4      | 28.3            |
| CEDAR CREEK           | 6820      | 3/31/88 | 26         | 8.9           | 6.6       | 10.5            | FRANKLIN BSN PILLOW | 8040      | 3/25/88 | 61         | 19.6          | 17.4      | 31.8            |
| CLEAR CREEK MEADOWS   | 9420      | 3/26/88 | 54         | 17.0          | 17.4      | 24.1            | GIVEOUT             | 6860      | 3/28/88 | 38         | 10.5          | 7.7       | 13.2            |
| DEADLINE              | 7400      | 3/31/88 | 33         | 11.4          | 12.6      | 22.9            | GIVEOUT PILLOW      | 6840      | 4/01/88 | ---        | 11.0          | 4.9       | 14.4            |
| DEADLINE SOUTH        | 7450      | 3/31/88 | 48         | 16.9          | 20.9      | 25.1            | LIBERTY SPRING      | 8600      | 3/25/88 | 74         | 27.1          | 21.0      | 40.2            |
| FOX CREEK             | 6800      | 3/31/88 | 34         | 11.1          | 8.3       | 10.5            | LITTLE BEAVER       | 6790      | 3/28/88 | 43         | 13.2          | 8.6       | 16.2            |
| FRY CANYON            | 6700      | 3/28/88 | 2          | .1            | 3.8       | 6.9             | LOWER ELKHORN       | 6960      | 3/25/88 | 18         | 6.9           | 5.1       | 14.0            |
| GEORGE CREEK          | 8840      | 3/26/88 | 49         | 15.0          | 16.2      | 23.2            | LOWER HOME CANYON   | 7640      | 3/29/88 | 34         | 9.7           | 7.8       | 14.7            |
| GOAT CREEK            | 8800      | 3/31/88 | 62         | 17.4          | 14.3      | 19.2            | OXFORD MOUNTAIN     | 6800      | 3/25/88 | 11         | 3.9           | 2.7       | 9.6             |
| GOLD CREEK            | 6600      | 3/28/88 | 6          | 1.7           | .9        | 5.3             | OXFORD SPRING       | 6740      | 3/25/88 | 14         | 4.5           | 2.5       | 10.7            |
| HOWELL CANYON         | 7980      | 3/26/88 | 57         | 21.0          | 18.4      | 26.7            | STRAWBERRY CREEK    | 5820      | 3/30/88 | 16         | 5.7           | .0        | 10.7            |
| HUMMINGBIRD SPRINGS   | 8950      | 3/31/88 | 76         | 23.5          | 18.6      | 24.7            | STRAWBERRY-HINK DVD | 6720      | 3/25/88 | 41         | 14.3          | 9.5       | 22.4            |
| HYDE PASTURE AM       | 5760      | 4/05/88 | 0          | .0            | .1        | 3.5             | UPPER ELKHORN       | 7140      | 3/25/88 | 39         | 10.9          | 8.8       | 19.7            |
| INDIAN GROVE          | 7560      | 3/26/88 | 28         | 8.6           | 7.8       | 13.1            | UPPER HOME CANYON   | 8560      | 3/29/88 | 52         | 16.4          | 15.2      | 25.1            |
| JACK CREEK, LOWER     | 6800      | 3/28/88 | 4          | .2            | 1.4       | 3.3             | WILLOW FLAT         | 6070      | 3/25/88 | 29         | 10.8          | 6.9       | 15.5            |
| JACKS PEAK            | 8420      | 3/28/88 | 58         | 17.6          | 17.1      | 26.8            | WORM CREEK          | 6620      | 3/25/88 | 32         | 11.7          | 10.3      | 20.2            |
| JOHNSTON POND         | 6700      | 4/05/88 | 0          | .0            | .1        | ---             |                     |           |         |            |               |           |                 |
| LANGFORD FLAT CREEK   | 5980      | 3/31/88 | 10         | 3.6           | .0        | 5.2             |                     |           |         |            |               |           |                 |
| LAUREL DRAW           | 6700      | 3/28/88 | 22         | 8.3           | 6.8       | 8.4             |                     |           |         |            |               |           |                 |
| LOGGER SPRINGS        | 8120      | 3/26/88 | 49         | 14.8          | 12.8      | 19.7            |                     |           |         |            |               |           |                 |
| LOOKOUT BUTTE AM      | 5650      | 4/01/88 | 0          | .0E           | .0        | .0              |                     |           |         |            |               |           |                 |
| LOUSE CANYON AM       | 6440      | 4/01/88 | 0          | .0E           | 8.0       | 5.6             |                     |           |         |            |               |           |                 |
| MAGIC MOUNTAIN        | 6880      | 3/31/88 | 47         | 15.8          | 11.2      | 20.1            |                     |           |         |            |               |           |                 |
| MAGIC MTN PILLOW      | 6880      | 4/01/88 | ---        | 16.2          | 10.6      | 20.1            |                     |           |         |            |               |           |                 |
| MUD FLAT              | 5730      | 3/26/88 | 2          | .8            | 3.6       | 5.3             |                     |           |         |            |               |           |                 |
| MUD FLAT PILLOW       | 5730      | 4/01/88 | ---        | .0            | .0        | 4.8             |                     |           |         |            |               |           |                 |
| ONE MILE SUMMIT       | 7330      | 3/26/88 | 11         | 3.8           | 3.2       | 7.7             |                     |           |         |            |               |           |                 |
| OREGON CANYON AM      | 6950      | 4/01/88 | 0          | .0E           | 3.8       | 5.8             |                     |           |         |            |               |           |                 |
| POLE CREEK R.S.       | 8330      | 3/31/88 | 64         | 20.6          | 17.4      | 22.0            |                     |           |         |            |               |           |                 |
| QUINN RIDGE AM        | 6300      | 4/05/88 | 0          | .0            | 4.3       | 1.1             |                     |           |         |            |               |           |                 |
| RED CANYON AM         | 6650      | 4/05/88 | 0          | .0            | 4.3       | 6.0             |                     |           |         |            |               |           |                 |
| RODEO FLAT            | 6800      | 3/28/88 | 8          | 2.0           | 5.5       | 6.4             |                     |           |         |            |               |           |                 |
| SEVENTYSIX CREEK      | 7100      | 3/28/88 | 25         | 8.4           | 8.7       | 12.6            |                     |           |         |            |               |           |                 |
| SEVENTYSIX CK SNOTEL  | 7100      | 3/28/88 | 19         | 6.2           | 6.8       | ---             |                     |           |         |            |               |           |                 |
| SHOSHONE BASIN        | 5810      | 3/31/88 | ---        | 3.4E          | .0        | 4.9             |                     |           |         |            |               |           |                 |
| SILVER CITY           | 6400      | 3/29/88 | 33         | 11.9          | 11.6      | 16.0            |                     |           |         |            |               |           |                 |
| SOUTH MOUNTAIN        | 6500      | 3/26/88 | 28         | 11.2          | 7.5       | 14.7            |                     |           |         |            |               |           |                 |
| SUBLETT               | 5950      | 3/26/88 | 26         | 8.8           | 5.8       | 11.3            |                     |           |         |            |               |           |                 |
| TAYLOR CANYON         | 6200      | 3/28/88 | 1          | .1            | .0        | 3.7             |                     |           |         |            |               |           |                 |
| VAUGHT RANCH AM       | 5830      | 4/05/88 | 0          | .0            | .0        | 1.7             |                     |           |         |            |               |           |                 |
| VIPONT                | 7670      | 3/26/88 | 33         | 10.2          | 9.8       | 16.5            |                     |           |         |            |               |           |                 |
| WILSON CREEK          | 7500      | 3/31/88 | 38         | 13.2          | 10.2      | 13.4            |                     |           |         |            |               |           |                 |
| WATERSHED VII         |           |         |            |               |           |                 |                     |           |         |            |               |           |                 |



# The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

|                |  |
|----------------|--|
| <b>State</b>   | Idaho Department of Water Resources<br>Soil and Water Conservation Districts of Idaho  |
| <b>Federal</b> | U.S. Department of Agriculture<br>Forest Service<br>U.S. Department of Army<br>Corps of Engineers<br>U.S. Department of Commerce<br>NOAA, National Weather Service<br>U.S. Department of Interior<br>Bureau of Reclamation<br>Geological Survey, Water Resources Division<br>Shoshone-Bannock Tribal Council                               |
| <b>Local</b>   | Big Lost River Irrigation District<br>Big Wood Irrigation Company<br>Boise Project Board of Control<br>Idaho Water District #01<br>Lewiston Orchards Irrigation District<br>Little Wood River Irrigation District<br>North Board of Control — Owyhee Project<br>Salmon Falls Irrigation Company<br>South Board of Control — Owyhee Project |
| <b>Private</b> | Cyprus Mining Company<br>FMC Corporation<br>Idaho Power Company<br>Le Bois Resort<br>Washington Water Power Company  |

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
ROOM 345  
304 N. 8TH ST.  
BOISE, IDAHO 83702  
OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

THIRD CLASS BULK RATE  
POSTAGE AND FEES PAID  
USDA - SCS  
PERMIT NO. G-267

**THIRD CLASS MAIL**

DR A RANGO CHIEF HYDROLOGY LAB  
ROOM 139 BUILDING 007  
USDA-ARS - BARC-WEST  
BELTSVILLE MD 20705

**Idaho  
Water Supply Outlook**

and

Federal — State — Private  
Cooperative Snow Surveys



SOIL CONSERVATION SERVICE